

evolveEA advancing environment and architecture by design

evolve environment::architecture is a full service design and concept firm that creates architecture, interiors, landscape design, graphic design and consulting with an emphasis on building sustainability relationships.

evolveEA was founded in 2004 with three service areas to help people transform their relationship to the environment:

evolveDESIGN provides clients with design solutions that bring together user experience, efficiency, and economics,

evolveASSIST helps project teams implement environmental strategies throughout design and construction

evolveINFORM enables clients and communities to gain knowledge on issues of natural systems and the built environment.

A diversity of projects enables evolveEA to design new approaches to sustainability. evolveDESIGN projects have included the visioning and construction of commercial interiors, private residences and institutional landscapes nationwide. evolveASSIST efforts have advanced sustainable design for retail, university, school and nonprofit clients and has managed numerous projects through the LEED certification process. evolveINFORM has helped commercial clients, universities and nonprofits understand sustainable issues with the design of educational programs, literature and communication design. Our regional and international client list includes General Dynamics, MAYA Design, IBM, HSBC, UPMC, Shady Side Academy, Carnegie Mellon University, Giant Eagle, and Phipps Conservatory.

The accomplishment of these projects requires a strong team ethic. We work closely with our clients to construct a process that defines projects in new and innovative ways. We build project teams that integrate the best expertise to ask the right questions to envision new solutions. Our project teams have been diverse and have included collaborations with national and regional firms like Ove Arup, Andropogon, 7 Group, CTG Energetics, IES, and Michael Van Valkenburg Associates.

The firm's voices have provided regional and national leadership through our faculty positions with Carnegie Mellon University and with the US Green Building Council. Our work has achieved numerous distinctions and our efforts have been featured in a number of publications. We have held a number of leadership positions with local and national nonprofit organizations to build support for design as an agent of change.

Sustainable design is not a noun. Sustainable describes an ever-changing relationship between organisms or systems. Design is an action—the intentionality we use to shape our environment, and thus is at the core of our evolving reciprocal relationships. Sustainable design is a dynamic process of understanding and of redefinition and, at its core, is a cultural phenomenon.

We believe design to be the interface between us and our environment and that sustainable relationships can be defined through the creation of processes, materials, objects, and spaces. We consider ourselves problem seekers through the act of designing and the artifacts we create.



evolve
environment::architecture

evolve ASSIST As the state of environmental design develops, there can be a gap that is created between the theory and practice. Through **evolve ASSIST**, we work to bring the latest ideas and information to accepted practice through collaborative process and support services. We work with clients and design and construction teams to investigate and integrate sustainable design ideas and bring them to fruition. We draw upon a strong network of interdisciplinary alliances to create teams that have a depth of experience customized for each project.



*Daylight modeling
Giant Eagle Shadyside*

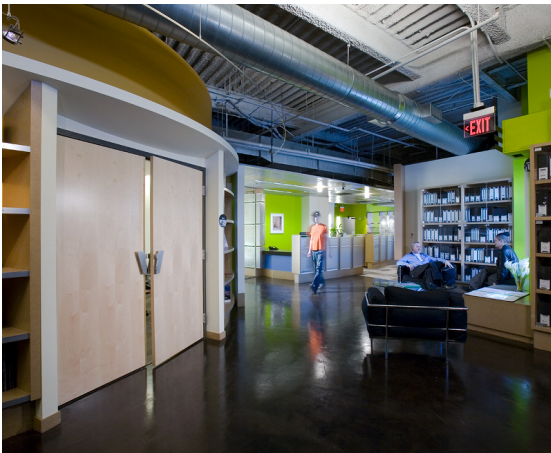
services We can create, manage, and provide the following services:

- Project optimization
- Project team selection and RFQ/P assistance
- Project goal setting
- Facilitation of design charrettes
- Specialized research
- Energy Systems modeling
- Design review and ongoing advisement
- LEED Assistance and Documentation
- Commissioning
- Green Operations and Maintenance protocols
- Post occupancy evaluation
- Strategic Planning
- Locating funds and grant assistance

evolveEA has assisted numerous projects with the integration of environmental strategies. Our architectural experience gives us unique insight into the concerns that design and construction teams face when executing a project. **evolveEA** has consulted nationally and internationally on the greening of commercial and institutional projects for Alcoa, Carnegie Mellon University, Giant Eagle Inc., the Green Building Alliance, HSBC, IBM, Point Park University, Phipps Conservatory, Pittsburgh History Landmarks Foundation, Shady Side Academy, UPMC, the USGBC, and WPXI among others.

evolve DESIGN

Design is a powerful and thought-provoking means of defining our relationship to our environment. We believe that every decision is an environmental decision, and that all projects are environmental projects, whether we are designing furniture, a building or a landscape. Through the design process, we examine when and how environmental value is manifest in a project for creative, poetic and practical solutions. To do this, **evolveEA** creates a collaborative design process, engaging experts and stakeholders to inform the solutions. Through our experience in projects at every scale, we have built regional and national strategic alliances to help link the latest technologies and ideas with our client's needs.



MAYA Design

- services* We provide services for the following project types:
- Commercial, retail, institutional, lab and studio design
 - Adaptive reuse
 - Residential design
 - Landscape design
 - Masterplanning
 - Interiors
 - Furniture and product design

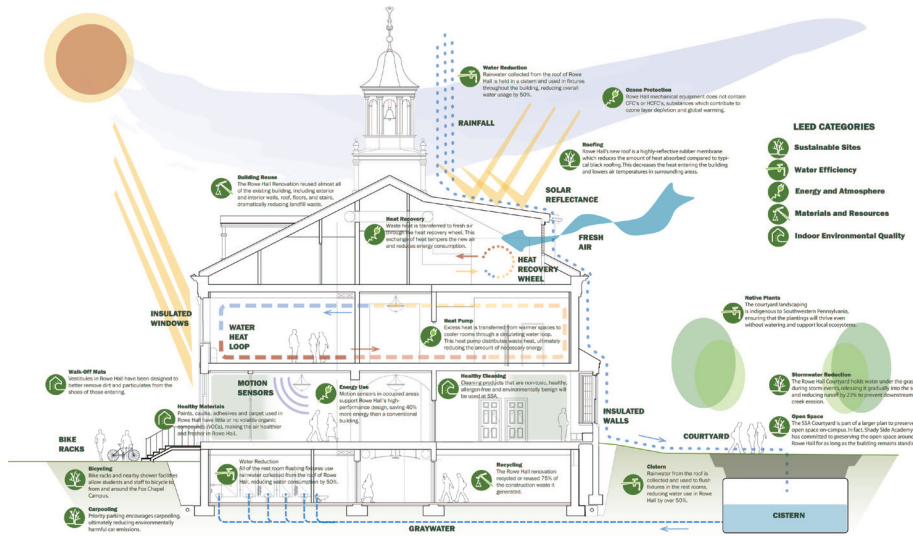
The principals of **evolveEA** have been involved in a broad variety of project sizes and types that have been recognized with regional and national design awards. We have experience working with regional and national clients such as General Dynamics, the Carnegie Museums and the Soffer Organization. Many of these projects address environmental issues directly and are pursuing or have achieved a LEED™ Green Building Rating, including the Greater Pittsburgh Community Food Bank and Conservation Consultants Incorporated (CCI) Center.

The principals of **evolveEA** have also been involved in multifamily housing and custom residential projects. We have experience crafting the design process for the private homeowner as well as the community or nonprofit organization. Past projects include: Voskamp Village and Middle Street townhouses in the Northside, the Pirrung-McCann residence, the Eisner residence, and Romero residence.

The work of **evolveEA**'s principals has been recognized in national in international competitions and has received numerous design awards.

evolve INFORM

Sharing information is one of the most effective ways of changing practices and engaging people as both consumers and stewards of their environment. For example, **evolveEA** can provide knowledge that client teams need to set project direction. To integrate environmental principles into practice, we facilitate educational opportunities and dialogue with design and construction professionals. We design education outreach with end users such as employees, shoppers, visitors, etc., to build awareness of environmental issues and encourage a culture of stewardship.



Systems Diagram, Shady Side Academy

services We provide the following services:

- Presentations, general or specialized topics on environmental design
- Client outreach and project team training
- End user, facilities, or employee training
- Creation of reference documents manuals, research compilations, etc.
- Customized executive education bringing experts for group or inhouse training
- Curriculum assistance for all age groups including early childhood, K-12, and college level
- Onsite communications, brochures, signage or multimedia formats
- Outreach communications, print or web material

evolveEA believes that environmental information can be expressed through the design and construction of the buildings. Many of our past design projects look to the experience of the architecture as an effective tool for communication. Members of **evolveEA** have developed custom designed education opportunities including seminars on environmental building and LEED related topics for organizations such as Carnegie Mellon University, the Food Marketing Institute, and others. We have been pivotal in organizing national and regional green building educational efforts with organizations like US Green Building Council, Carnegie Mellon University and the Green Building Alliance. We currently serve as LEED faculty, teaching workshops for the US Green Building Council, and have also worked with education experts to develop curricula that bring sustainable design ideas to children and young adults. Members of **evolveEA** have authored or coauthored a number of documents, including the PA Department of Environmental Protection's *High Performance Building Guidelines*.

:: LEED Consulting Project List

SELECTED PROJECTS

- A.L. Wilson Elementary School
School project seeking LEED for New Construction Silver Certification
- Carnegie Mellon University, 407 South Craig Street and 300 South Craig Street Projects
Office building project achieved LEED NC Silver Certification
- CCI Center+
Office building renovation achieved LEED for Existing Buildings Gold Certification, December 2004
- Coro Center for Civic Leadership+
First LEED for Commercial Interiors Gold Certification in the world, November 2004
- David L. Lawrence Convention Center+
First convention center in the world to achieve LEED for New Construction Gold Certification, November 2003
- Dick's Headquarters
New headquarters project seeking LEED NC Certification
- Eastside II, Building 'C' Project
Speculative retail building achieved LEED for Core and Shell Gold Certification
- Fred M. Rogers Center
Sustainable Design Technical Advisor for national competition
- Giant Eagle Brunswick Supermarket
First supermarket in the world to achieve LEED for New Construction Certification, 2004
- Giant Eagle New Albany Supermarket
First supermarket in the world to achieve LEED New Construction Gold Certification
- Greater Pittsburgh Community Food Bank+
Food bank achieved LEED for New Construction Pilot Silver Certification, 2000
- HSBC Bank Egypt
New regional headquarters in Giza, Egypt seeking LEED NC Silver Certification
- IBM Dubuque
Office building gut rehabilitation seeking LEED Commercial Interiors and LEED Core and Shell Certification
- MAYA Headquarters
Office tenant interior space achieved LEED for Commercial Interiors Certification (designed by evolveEA)
- Ove Arup, Gates Center for Computer Science
New Office Construction for Carnegie Mellon University School of Computer Science
- Point Park University, Dance Studios
Downtown infill dance studios project achieved LEED for New Construction Gold Certification
- Shady Side Academy, Rowe Hall
Academic building rehabilitation achieved LEED for New Construction Gold Certification
- Supervalu Acme Supermarket
New supermarket project achieved LEED Silver Certification
- Unitarian Universalist Fellowship of Wayne County
First LEED NC Gold certification in the world for a freestanding place of worship
- UPMC Health Systems
Headquarters offices achieved LEED CI Silver Certification
- UPMC Passavant
New hospital pavilion seeking LEED NC Certification

+Indicates projects performed with other firms

References for ANY projects are available upon request

"We are happy to recommend evolveEA, our green building consultant, who led our successful application for the nation's first LEED certified supermarket. They were with us every step of the way and are an active part of our continued greening efforts."

-David Shapira, CEO of Giant Eagle, Inc.



evolveASSIST SUMMARY

SELECTED ACTIVE AND COMPLETED PROJECTS

LEED CONSULTING

Project Name	SF	Budget	Type	Rating	Goal	Completion
Carnegie Mellon University - 300 S Craig Street	65,000	\$7,000,000	office building	LEED NC	Silver	2006 Silver
Carnegie Mellon University - 407 S Craig Street	13,000	\$1,400,000	office building	LEED NC	Basic	2005 Silver
Coro Offices (with Green Building Alliance)	13,500	\$700,000	office buildout	LEED CI Pilot	Gold	2004 Certified
Dicks Headquarters, Moon Twp., PA	700,000	\$130,000,000	office building	LEED NC	Basic	2010
Eastside - Building C, Pittsburgh, PA	26,000	\$6,000,000	retail core & shell	LEED C&S Pilot	Gold	2006 Gold
Fifth and Market Project, Pittsburgh, PA	12,000	\$4,100,000	historic	LEED NC	Certified	2009
General Dynamics/ MAYA Offices	33,000	\$1,800,000	office buildout	LEED CI	Certified	2005 Certified
Giant Eagle - Brunswick, OH	80,300	\$10,000,000	supermarket	LEED NC	Certified	2004 Certified
Giant Eagle - New Albany, OH	75,000	\$10,000,000	supermarket	LEED Retail	Silver	2008 Gold
Giant Eagle - Pine Township, PA	82,000	\$12,000,000	supermarket	LEED Retail	Silver	2009
Hotel Indigo, Pittsburgh, PA	123,000	\$12,000,000	hotel	LEED NC	Basic	2010
HSBC Bank, Cairo, Egypt	210,000	\$22,000,000	office building	LEED NC	Basic	2009
IBM Dubuque, Dubuque, IA	156,000	\$9,000,000	office buildout	LEED CI	Basic	2010
Market District - ShadySide, Pittsburgh, PA	169,000	\$26,000,000	mixed use market	LEED CI	Basic	2006 Silver
Phipps Center for Sustainable Landscapes, Pittsburgh,	20,000	\$12,000,000	living building	LEED NC	Platinum	2010
Pittsburgh Opera, Pittsburgh, PA	50,000	N/A	multi-function	LEED EB O&M	Basic	N/A
Point Park University Studios, Pittsburgh, PA	45,000	\$10,000,000	education/ studios	LEED NC	Basic	2007 Gold
Roshek Building, Dubuque, IA	250,000	\$32,000,000	historic building	LEED C&S	Basic	2010
Shady Side Academy, Fox Chapel, PA	35,000	\$5,200,000	K-12 education	LEED NC	Basic	2006 Gold
Supervalu Acme, Concordville, PA	56,000	\$8,600,000	supermarket	LEED NC	Basic	2008 Silver
Unitarian Universalist Fellowship, Wooster, OH	7,500	\$800,000	religious	LEED NC	Gold	2005 Gold
University of Pittsburgh Medical Center	190,000	\$12,100,000	office buildout	LEED CI	Basic	2008 Silver
UPMC Passavant, Pittsburgh, PA	208,000	\$140,000,000	hospital	LEED NC	Basic	2008
Wilson Elementary School, Fairchance, PA	44,000	\$7,000,000	K-12 education	LEED NC	Silver	2008
WPXI Studios, Pittsburgh, PA	75,000	N/A	TV Studios	LEED EB O&M	Basic	N/A

Figures are approximate: **2,738,300** **\$479,700,000**

GREEN BUILDING CONSULTING

Project Name	Scope
Allen Report	Creating design strategies and recommendations for severely allergenic building occupants
Audubon Beechwood Farms	Lead visioning and sustainability charrettes for eventual future development
CMU Gates Project Demolition	Creation of demolition guidelines, specifications, and waste management plans for a complex 210,000sf project
Edgewood Group Home	Programming and providing a pre-design visioning and sustainable design charrette to stakeholders for a group home
Fred Rogers Center	Providing reviews as sustainable design technical consultant for a juried national architectural competition
GetGo Evaluation	Providing evaluations of and recommendations for the greening of a fuel station prototype for a growing chain
Hazlett Theater	Creating design strategies and recommendations for the renovation of a historic theater
Human Services Center	Lead visioning charrettes for new residential construction
Market District	Determination of User-oriented Green Design as a prioritization tool
Phipps Conservatory & Botanical Gardens	Organization design team competition for precedent-setting Living Building Challenge
Shady Side Academy	Design of green building signage and brochures and scripting of tours
Wegmans Market	Energy and daylighting simulation of retail prototype for subsequent design

References for any projects are available upon request

Projects listed above are since formation in 2004 | Updated 03/15/2009

:: **marc mondor, AIA, LEED Faculty**

Marc Mondor takes pride in seeing potential for design innovation where others do not. He has over ten years of architectural experience and has been an integral part of Pittsburgh's sustainable design movement since the mid-1990's. Marc's consulting work has led to many innovative firsts, including the nation's first LEED certified supermarket (for Giant Eagle), the first LEED Gold certified place of worship (for the Unitarian Universalist Community), the first LEED Commercial Interiors Gold office space (for the Coro Foundation) and is currently working on what is to be the first LEED certified project in Africa (with HSBC Bank Egypt). Current clients include Giant Eagle, Carnegie Mellon University, Dick's Sporting Goods, HSBC, IBM, Phipps Conservatory, the Pittsburgh Opera, Point Park University, Supervalu, Wegmans, WPXI, UPMC and several school districts. Prior to co-founding evolveEA, Marc was the Pittsburgh Green Building Alliance's Project Manager, where he consulted for clients such as Allegheny County, Community Loan Fund and the Federal Home Loan Bank of Pittsburgh, and staffed and managed the Green Building Fund. Marc's consulting is backed by experience as a designer. He has worked for several architectural firms, managing commercial, office, residential and institutional projects and understands the process and pressure points for the successful implementation of sustainable design strategies.

Marc has lectured nationally and is one of 60 national professionals to be named to be USGBC's LEED Faculty. Marc has brought change to the region by serving on the boards of the Food Marketing Institute, Friendship Development Associates, the East End Growth Fund and Three Rivers Association for Sustainable Energy (TRASE). Marc received his Bachelor of Architecture degree from California Polytechnic State University at San Luis Obispo and studied sustainable design in Scandinavia. Marc is a Registered Architect and a LEED Accredited Professional. marc@evolveEA.com

Selected Project Experience :: Green Design Consulting

evolve ASSIST

Carnegie Mellon University *Offices at 407 S Craig Street and 300 S Craig Street, both LEED NC Silver*
Eastside II Retail and Commercial Development *Shadyside, Pennsylvania, Borders Building, LEED C&S Gold*
Fifth and Market *Historical Renovation project. Pittsburgh, PA, under construction*
Giant Eagle, Inc. *Supermarkets in Ohio and Pennsylvania, LEED NC Certified, Gold and Silver*
HSBC Bank Egypt *Cairo, Egypt. Regional Processing Center, under construction*
IBM Dubuque *New office space in historical building, under construction*
Phipps Botanical Gardens. *LEED EB Management; Management of efforts to pursue Living Building Challenge*
Point Park University Dance Studios Project *Green Strategic Planning; Urban infill project, LEED NC Gold certification*
Shady Side Academy *Historic school building renovation and courtyard design, LEED NC Gold certification*
Unitarian Universalist Fellowship of Wayne County *New freestanding place of worship, LEED NC Gold certification*
UPMC Executive Offices *Executive and support offices in US Steel Tower, Pittsburgh, PA, LEED CI Silver Certifications*
Wilson Elementary School *New school building, certification pending*

Selected Project Experience :: Education

evolve INFORM

Carnegie Mellon University *Research for Business Case for Green Building, with Giant Eagle, Inc.*
Customized green building presentation. *Various clients*
Fred Rogers Center *Sustainable design technical reviews for national juried competition*
GetGo Evaluation Study *Evaluation and recommendations for the greening of a growing fuel station chain*
Giant Eagle, Inc. *Education brochure, signage and tour design*
Guest Lecturer. *Carnegie Mellon University, Duquesne University, University of Pittsburgh*
PA Department of Environmental Protection. *Writing and graphic design for High Performance Building Guidelines*
US Green Building Council *LEED Faculty for NC, CI, Documentation, Core Concepts and Strategies, Green Building Basics, and Retail seminars.*

Selected Project Experience :: Architecture

evolve DESIGN

University of Pittsburgh. *Stephen Foster Memorial Theatre and School of Information Sciences (w/ WTW Architects)*
Heinz Field. *Design and coordination of luxury interiors. Stadium signage coordination. (w/ WTW Architects)*

:: christine mondor, AIA, LEED AP

Christine Mondor has been active in shaping Pittsburgh's buildings and landscapes as an architect, educator and activist. Her diverse experience enables her to note trends and technologies and bring benefit across project types, from residential and commercial to educational planning.

In over a decade of experience, Christine has worked with contractors to build custom residential homes and additions. She has worked with builders to create award-winning historic housing and has explored the use of new technologies for more efficient affordable urban housing in projects such as Crawford Square and Voskamp Village. Christine was project architect for the Greater Pittsburgh Community Food Bank, one of the first Leadership in Energy and Environmental Design (LEED™) rated buildings in the country and has provided green building consulting for clients including the Carnegie Libraries of Pittsburgh, ALCOA Corporation and Carnegie Mellon University. She has produced other projects that have been recognized for their design and environmental quality, including a strawbale comfort station and the renovation of the CCI Center. Most recently, Christine has designed residential and commercial landscapes to create beautiful settings that reconnect people to the outdoors and improve environmental conditions such as stormwater and habitat quality.

Christine teaches architecture and landscape design at Carnegie Mellon University and has taught at Chatham College. She has been a board member of a number of local organizations, including the Green Building Alliance, Three Rivers Association for Sustainable Energy (TRASE), and is currently on the board of the Community Design Center of Pittsburgh. She received her Bachelor of Architecture degree from Carnegie Mellon University and studied architecture and sustainable design in Scandinavia. Christine is a LEED Accredited Professional. christine@evolveEA.com

Selected Project Experience :: Architecture

Gorell Residence *Renovation and pool enclosure addition*
MAYA Design *Offices for creative firm*
VIZ|General Dynamics *High tech companies' first Pittsburgh offices*
Steinbrenner Residence *Residential renovation*
Shady Side Academy *Entry courtyard to school with stormwater design*
Bar Residence *Sustainable house design*
Changing Seasons Educational Center *Landscape design and stormwater planning*
Sisters of the Humility of Mary *Villa Maria Comfort Station*
Pittsburgh International Airport *Airport Information Kiosk +*
Carnegie Museum of Natural History *Powdermill Nature Reserve Feasibility Study +*
Greater Pittsburgh Community Food Bank *Headquarters and Processing Facility ++*
Soffer Organization *Parkway Center West Buildings 5,6 & 8, Research Report ++*
Conservation Consultants Inc. *Renovation of headquarters =*
Urban Redevelopment Authority *Voskamp Village, Crawford Square Housing =*

Selected Project Experience :: Education

ALCOA *Customized presentation for sustainable design for new aluminum smelting plant in Iceland*
Green Building Alliance *Educational programming and facilitation*
PA Department of Environmental Protection *Writing and graphic design for High Performance Building Guidelines*
Heinz Endowments *Report on the Sustainable Reuse of Abandoned Schools*
PA Department of Labor and Industry *Writing and graphic design for PA Residential Energy (Act 222) Book =*

Selected Project Experience :: Green Design Consulting

Carnegie Libraries of Pittsburgh *Brookline Branch Library*

+ *Indicates projects with Hanson Design Group*
++ *Indicates projects with Gardner + Pope Architects*
= *Indicates projects with TAI + LEE Architects*

:: **andrew ellsworth, LEED AP**

Mr. Ellsworth brings a diverse background to the evolve team, with experience in architecture, master planning and real estate development. He has worked on design and construction projects in the Pittsburgh region, working both on large- and small-scale adaptive reuse and brownfield redevelopment projects. His diversity of experience provides him with numerous perspectives and a thorough understanding of aesthetic, construction and environmental issues. Mr. Ellsworth's skills in project management, organization, and computer proficiency complement his meticulous and schedule-oriented working style to successfully complete time and budget-constrained projects.

Mr. Ellsworth has managed million-dollar build-outs of office and laboratory environments, worked on master plans for 10-, 24- and 110-acre developments, as well as designed and renovated his own residence. Andrew has worked with and managed numerous architects, engineers, and contractors, and has also served as client liaison for several projects. His master plan work involved designing former steel mills into high-tech and bio-tech office and lab research and eco-industrial parks, and utilizing geographic information systems to address large-scale planning issues and examine proximity, transportation and infrastructure requirements.

Andrew has helped build community in his tenure on the boards of Goodwill Industries and Construction Junction. Andrew received his Bachelor of Architecture from Carnegie Mellon University. andrew@evolveEA.com

:: **david deal, LEED AP**

A native of Pittsburgh, Dave returned home in 2005, after spending four years in Ohio attending Kenyon College (B.A, Biology). Upon his return, he earned a M.S. from Duquesne University in Environmental Science and Management; there, he gained valuable experience studying Environmental Law and Regulatory issues, organizational and sustainable business practices, carbon footprinting methodologies, and Environmental Management Systems. In his second year, as a Graduate Assistant, he conducted a Greenhouse Gas Emissions inventory for the University in partial fulfillment of the degree requirements. As an undergraduate he pursued anything excusing him from the confines of a classroom; resulting in his study of biology, membership on the Men's lacrosse team, and floating down the local river.

Since joining evolve environment::architecture he has had the opportunity to engage clients in pursuing LEED Existing Building certification, develop green operational policy and management strategies, and continue to stay engaged with College and University campus Sustainability Planning efforts. evolve provides a natural convergence of professional and personal interests; more specifically, those related to living more sustainably, local environmental policy, and a ten minute daily commute (walking or biking of course). He also appreciates working with both designers and engineers as it continues to broaden and strengthen his perspectives. david@evolveEA.com

:: **zach hartle, LEED AP**

As a recent graduate, Zach brings unique, early professional experience to the team. He has worked as an architectural intern on residential and commercial new construction as well as additions and adaptive reuse projects providing assistance with design development, specifications, product selection, graphic design, and construction document production. His education and professional experiences have focused on the ability of design to both communicate information visually and spatially. Through his opportunities at evolve, he continues to explore the role of the environment and its application to the design of human interaction, perception, and experience.

Zach received his Bachelor of Architecture with distinction from Carnegie Mellon University in 2008. He joins the evolve team with a solid background from his university accomplishments, including six personal design commendations from the School of Architecture at Carnegie Mellon and the Alpha Rho Chi Medal for Leadership, Service, and Professional Merit. Academic opportunities have allowed him to participate in multiple teaching assistantships and research grants, focusing on a visioning plan for the City of Pittsburgh and a yearlong development of a campus master plan for the Massachusetts Institute of Technology. zach@evolveEA.com