

MICHAEL P. ROYER

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- Education:** **The Pennsylvania State University**
Architectural Engineering, B.A.E. / M.A.E. Program, Lighting and Electrical Option, 5th Year
Architecture Studies Minor
The Schreyer Honors College, Dual Honors Thesis in Architecture and Architectural Engineering
Thesis Portfolio: <http://www.engr.psu.edu/ae/thesis/portfolios/2008/mpr184>
Expected Graduation: May 2008. Will earn E.I.T. status upon graduation.
Cumulative G.P.A: 3.84
- Experience:** **Haas Building Solutions, Inc.** 2007-Present
Student Intern
- Architectural Drafting and Design, Construction Document preparation
 - 3D Modeling and Presentation
 - Estimating and Scheduling
 - Structural Calculation and Design
- Penn State Architectural Engineering Building Envelope Research Laboratory** 2003-Present
Undergraduate Research Assistant
- Construct various test setups for material strength and structural systems experiments
 - Work with electronics and other research devices and equipment
 - Record and manage extensive data sets
 - Assist Research Associate and graduate students
- Ashland Specialty Chemical Company** 2003-2005
Internship / Penn State Employee
- Worked to develop new simulation software for the metal casting industry which models the blowing of sand cores
 - Evaluated the graphical user interface and ran simulations to determine problems in the physics and mathematical components of the software
- Private Contractor** 2001-Present
Web Design, Drafting and Design
- Designed webpages for Penn State and Private Companies
 - Designed and Drafted small, local residential projects
- Skills:**
- Computer Programs: AutoCAD R14-2007, AutoDesk VIZ, AutoDesk Architectural Desktop, Bentley MicroStation V8-XM, Google SketchUp, Adobe Flash, Adobe Dreamweaver, Adobe Fireworks, Adobe Photoshop, Adobe Premier, Microsoft Office
 - Machining and Construction
- Activities:**
- IES (Illuminating Engineering Society) – Penn State Student Chapter (Vice President 2007-2008)
 - Tau Beta Pi – Engineering Honor Society
 - Phi Alpha Epsilon – Architectural Engineering Honor Society
 - Study Abroad: Rome, Summer 2006
 - Photojournalist for the Daily Collegian Newspaper (Held General, Junior and Senior Positions)
 - Intramural Athletics, Mountaineering, Hiking, Climbing and Adventure Racing
 - Youth Basketball Coach for the YMCA
- Awards:**
- Recipient of the 2007 4th Year Outstanding Performance in Illumination Award
 - Recipient of the 2007 Illumination Engineering Society – Philadelphia Section Scholarship
 - Won first place in the Architecture 442 Semester Design Competition
 - Recipient of the 2006 Michael J. and Virginia A. Youchak Scholarship
 - Recipient of Reese Engineering Award while at State College Area High School
 - Won first place nationally in the Technology Student Association Architectural Modeling and Technical Drawing competitions
 - Won first place in Pennsylvania in both the Technology Student Association and SkillsUSA VICA architectural drafting competitions