

JOSHUA R WENTZ

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EDUCATION	The Pennsylvania State University <i>B.A.E. Architectural Engineering, Mechanical Option</i> <i>B.S. Information Sciences & Technology, Integration & Application Option</i> <i>GPA 3.61/4.00</i> <i>Architecture Studies Minor, 7-week program at the Pantheon Institute in Rome, Italy</i> LEED Green Associate; EIT Engineer in Training; Tau Beta Pi Engineering Honor Society	University Park, PA 08/07 – 05/12
	Canon-McMillan High School, Salutatorian 2/353, GPA 4.57/4.00 Boy Scouts of America, Eagle Scout	Canonsburg, PA 09/03 – 06/07
EXPERIENCE	U.S. DOE Energy Efficient Buildings Hub <i>Software Integration Lead</i> <ul style="list-style-type: none">▪ Led the code development & user interface design of tools.eebhub.org, web software to support decision making in building retrofit projects; 500+ visits/month & 15,000+ total pageviews▪ Managed the integration of 10 software packages from 13 organizations including DOE, MIT, CMU, PSU, UPenn, UTRC, IBM, NREL into EEB Hub Simulation Platform on Node.js & Ubuntu▪ Supported the IT infrastructure setup of 4 servers, VMware private cloud, & 19 virtual machines	Philadelphia, PA 03/13 – Present
	PositivEnergy Practice of AS+GG Architects <i>Mechanical / Energy Engineer</i> <ul style="list-style-type: none">▪ Modeled building load and energy consumption of a range of new construction projects in the U.S. and overseas with the Mechanical Engineering and Clean Technology teams	Chicago, IL 08/12 – 01/13
	GE Energy <i>Information Management Leadership Program Intern</i> <ul style="list-style-type: none">▪ Developed data migration code for GE's Salesforce.com Project Management Environment (used by nearly 500 General Electric employees), resulting in a 400 times greater storage capacity▪ Drove the collaboration technology of GE Energy's VP of Sales' 33 person, 10 location global event	Atlanta, GA 05/11 – 08/11
	Architectural Engineering Department of Penn State <i>Research Assistant / Software Developer (Supervised by Dr. Jelena Srebric)</i> <ul style="list-style-type: none">▪ Led the development of VirtualPULSE.us, building energy and CFD airflow simulation web application with an EnergyPlus engine on Amazon Web Services, alongside CS & EE students▪ Co-authored a campus building energy classification publication for an NSF urban energy grant	University Park, PA 07/09 – 08/12
	ANSYS Inc. <i>Simulation Software Intern</i> <ul style="list-style-type: none">▪ Developed scripts, maintained geometry regressions, analyzed meshing curvature failures	Canonsburg, PA 06/06 – 01/09
SKILLS	<i>Coding:</i> Node.js, HTML, CSS, JavaScript, Linux, Git, PHP, SQL, EnergyPlus; <i>Apps:</i> Photoshop, Revit, Amazon Web Services, DesignBuilder; <i>Communication:</i> global team management, interface design	
LEADERSHIP	Architectural Engineering Institute, National Student President (18 local chapters nationwide) Student Society of Architectural Engineers, Co-Founder of Mentor Program (240+ members) Building Information Modeling Studio, Mechanical Engineer of 6 person interdisciplinary team Designer & Developer of 4 external websites with internal logins	
HONORS	Outstanding Thesis in Area of Sustainable Design Scholarship Penn State University Park Undergraduate Research Exhibition, <i>First Place</i>	04/12 04/10
SERVICE	Habitat for Humanity Volunteer '14 PSU IFC/Panhellenic Dance MarATHON '08-'11	PSU Fresh START Service Team Leader '07-'10 Mission's Trip to Acuna, Mexico '05
INTERESTS	<i>Sports:</i> soccer, running, golf, skiing, biking, tennis; <i>Art & Tech:</i> architecture, smart homes	
