

Noah Swartz

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Education	Case Western Reserve University , College of Arts & Sciences B.S. in Mathematics <ul style="list-style-type: none">• Thesis on Hilbert's 10th problem with regard to its application for other decidability problems and the birth of formal logic• Concentrations in Number Theory and Computer Science	Dec 2010
Work Experience	Amazon.com , Digital Software & Video Games group Software Development Engineer <ul style="list-style-type: none">• Developed and maintained the digital downloads portion of the Amazon Website• Quickly familiarized myself with Amazon's development methods and a wide array of internal tools and services• Improved back end tools, including the key ingestion tool which I extended to handle bundled products• Wrote new product page features, including the age verification and German ID parsing portion of our customer verification service• Served in the on-call rotation, fixing bugs in back-end systems identified through alarming metrics• Integrated with a large group of co-workers, working across team to improve our ability to detect fraud during purchases MIT Media Lab , Joe Paradiso's Responsive Environments group Research Affiliate <ul style="list-style-type: none">• Studied the benefits of interactive visualizations for the large sensor data networks deployed in the Media Lab• Took Prof. Paradiso's Sensors class and worked with the TAs in preparing course documentation• Participated in all aspects of the Doppellab project, from working with server side databases to designing new visualizations to building a cross reality chess board to interface with it• Iterated the structure and goals of the Doppellab project as well as incorporated new collaborators into to the group	Jun 2013 - Jun 2014 2011-2013
Personal Experience	Acetarium: Resident <ul style="list-style-type: none">• Learned and taught about free software and the open source community• Participated in activities ranging from Debian bug squashing parties to lectures and workshops run by open source outreach groups• Held a public presentation covering the fiducial recognition system and back end software that I worked with during my residency Boston Python Workshop: Mentor <ul style="list-style-type: none">• Assisted in running an outreach event designed to help promote diversity in the Python and programming communities• Mentored women new to both Python and programming on the fundamentals of both	Jan-May 2011 Sep-Dec 2011
Computer Skills	Languages: Python, Java, Mason, UnityScript, Hy, SCHEME <ul style="list-style-type: none">• Familiar with GNU/Linux and various open source software• Experienced with test driven design, version control, and working on large multi-person projects	