

EDUCATION

CARNEGIE MELLON UNIVERSITY,
Pittsburgh, PA; 2011-2015
Double Major in Computer Science/Robotics
Graduated with GPA of 3.94/4.0, University Honors

SOMERVILLE HIGH SCHOOL,
Somerville, NJ; 2007-2011
Graduated in top 15 of class
Final G.P.A. of 98.3/100

RELEVANT COURSES/KNOWLEDGE

- Operating Systems, Compiler Design, Operating Systems Practicum, Embedded System Design
- Fluent in C, C++, C# (.NET 4.5), Java, PHP, Javascript, HTML/CSS, SQL, Haskell, SML, and Python, somewhat experienced with Perl, Smalltalk (Squeak), MATLAB, and Lisp/Scheme. Experienced user of Wireshark, Git, and Subversion.
- Extensive experience in embedded systems, networking, web development, and cross-platform programming/applications.
- Extremely capable GNU/Linux user, developer, and administrator. Have also developed programs for Windows, and applications for Android phones and tablets. Avid open source developer and contributor.
- A very fast learner who gets along with others easily and works efficiently and diligently on tasks.

JOB EXPERIENCE

- LGS Bell Labs Innovations, Software Development Engineer (August 2015-Present)
- LGS Bell Labs Innovations Internship: Developed mass data tiling software and visualization plugins for C#, an AVR bootloader for flashing from an SD card, and interfaced multiple unique radios with GNURadio. (Summer 2014)
- iCIMS Software Development Intern: worked on internal tools which performed asynchronous SQL queries on thousands of databases simultaneously. Also worked on machine learning algorithm to classify job candidates. (Summer 2013)
- Storming Robots, Branchburg NJ: Employed to assist and educate students in robotics and programming. (2010 - 2012)
- Trinity Scholastics: Employed to develop an interactive mathematical educational program for students. Worked closely with founder of company to brainstorm best interactive tools for learning. (2010 - 2011, Spring 2014)
- Worked as data processing programmer at CMU Institute of Software Research, CASOS. (2011 - 2012)

HONORS/RECOGNITION

- Dean's List 2011 - 2015
- Inducted into National Honor Society, Somerville High School, 2009 (Junior year)
- Certified by Royal Academy School of Music, London: Piano Technique (Level 6 of 8) and Music Theory (Level 5 of 5)
- Recieved SURG grant to develop bipedal wheeled robot with articulated joints in the Hylo project (2011 - 2012)

ACTIVITIES/EXPERIENCE**CARNEGIE MELLON UNIVERSITY CLUBS, TEAMS, ACTIVITIES**

- President of the StuCo Executive Committee, taught a StuCo course on Classic Rock. (Fall '13 - Spring '15)
- Build18 electrical engineering competition participant (January 2014, January 2015)
- Member of the Robotics Club, Lead Programmer in the Hylo project (2011 - 2012)
- Participated in TartanHacks, won the First Penguin Award, Most Daring Hack (January 2012)

MEMBER OF SOMERVILLE HIGH SCHOOL FIRST ROBOTICS TEAM 102 (2007 - 2011)

- Attended 2 regional competitions each year, and attended the world championships in Atlanta several times.
- Served as the lead programmer and lead electrical engineer (2009 - 2011). Provided guidance to Brazilian team and assisted with programming for other teams (2007 - 2011).

BRANCBURG ROTARY CLUB TUTOR (2006 - 2011)

- Based on academic achievements and counselor/teacher recommendation - invited by the Rotary Club of Branchburg, NJ to tutor children within the elementary and middle schools (grades 2 - 8).

MEMBER OF 4H - SOMERSET COUNTY (2003 - 2011)

- Member of Senior Council (2008 - 2011), Member of Junior Council (2007 - 2008)
- Member of Broken Props Club (remote-control airplane building; 2003 - 2006)