

Objective

To acquire a summer internship in fields relating to hardware, embedded systems, programming, and robotics to further extend my passion for building cool devices and learning how things work.

Work Experience

Rice McVane Communications – Microsoft Campus Representative (2011 - Present)

- ◆ Market Microsoft software and products to students on campus - reached over 1,600 students
- ◆ Acquire and compile comprehensive marketing research for Microsoft - directly influenced the purchase of new laptops and gaming hardware

Rutgers University – School of Engineering – Webmaster (2009 - Present)

- ◆ Web development including custom web pages for departments, graduate programs, and professors along with various designs actively used across 15+ Rutgers websites

Pool Management Inc. – Pool Operator and Lifeguard (2007 - 2009)

- ◆ Maintain chemical balance of pool water and prepare pools for summer
- ◆ Ensure the safety and rule compliance of pool patrons

Skills/knowledge

- ◆ Code experience (C, C++, Ruby / Rails, Python, Verilog, x86 Assembly, PHP, MySQL, MATLAB, Maple)
- ◆ Windows, Linux, Mac OS
- ◆ Embedded Systems (Arduino, MSP430)
- ◆ Robotics
- ◆ PCB production (Eagle CAD, PSpice, Multisim)
- ◆ Knowledge of Hebrew – basic and Spanish – basic

Code and Projects

- ◆ Online code and circuit board portfolio - <http://erosen.github.com/>
- ◆ Blog of current projects and experiences - <http://www.mylifeiscomputers.net/>

Awards and Achievements

- ◆ Intelligent Ground Vehicle Competition, Rochester, MI (2011 – 2012)
- ◆ University of Rochester Xerox Award for “Innovation & Information Technology” (2008)

Education

- ◆ Rutgers University, School of Engineering, New Brunswick, NJ Class of 2013
- ◆ BS in Electrical & Computer Engineering, Minor: Entrepreneurship GPA: 3.0
- ◆ Relevant courses: Digital Electronics, Operating Systems, Computer Architecture, Programming Methodology, Digital Logic Design, Discrete Mathematics, Electronic Devices

Extracurricular Activities

- ◆ IEEE Robotics – Vice President and National Member (2009 – Present)
- ◆ Rutgers University Student Linux User Group (2009 – Present)
- ◆ Rutgers Entrepreneurial Society (2010 – Present)
- ◆ Engineering Governing Council – Webmaster (2010 – 2011)

Volunteer and Community Service

- ◆ Lifeguard for the Special Olympics (2009 – 2012)
- ◆ Professional drowning victim for Life Savings course at YWCA of White Plains (2009 – 2011)
- ◆ Presented information about the School of Engineering to parents and guests at Rutgers Day (2010 – 2012)
- ◆ Taught a one day class on “How to Solder, Construct and Program a Line Following Robot” (2010 – 2011)