

Objective

To acquire a summer internship in fields relating to hardware, embedded systems, programming, and robotics to further my passion for building cool devices. I am seeking a Computer Engineer internship to utilize my hard-work ethic, creative ideas and application know how within the framework of an established organization.

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)

- ◆ Maintained chemical balance of pool water and prepared multiple pools for summer use.
- ◆ Ensured 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 basic Hebrew and Spanish

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

BS in Electrical & Computer Engineering, Minor: Entrepreneurship

Relevant courses: Computer Architecture, Digital Electronics, Digital Logic Design, Discrete Mathematics, Electronic Devices, Operating Systems, Programming Methodology

Class of 2013

GPA: 3.0

Extracurricular Activities

- ◆ IEEE Robotics – President-Elect, 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 New York State Special Olympics (2009 – 2012)
- ◆ Professional drowning victim for Life Savings course at YWCA of White Plains, NY (2009 – 2011)
- ◆ Spokesperson for the Rutgers University School of Engineering at annual Rutgers Day event (2010 – 2012)
- ◆ Guest Lecturer for a one-day class on “How to Solder, Construct & Program a Line Following Robot” (2010 – 2011)