Elie N. Rosen

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EDUCATION

Bachelor of Science in Electrical & Computer Engineering, Minor: Entrepreneurship   Class of May 2013
Rutgers, the State University of New Jersey - New Brunswick, NJ   GPA: 3.0

- **Relevant course work:** Computer Architecture, Digital Electronics, Digital Logic Design, Digital Systems Design, Discrete Mathematics, Operating Systems, Robotics & Computer Vision and VLSI

WORK EXPERIENCE

Electrical and Controls Automation Engineering Intern - Siemens Industry, Inc (Summer 2012)

- Programmed Schneider Modicon Quantum PLC to build Baggage Handling System (BHS) for Minneapolis St. Paul airport
- Designed Human Machine Interface (HMI) used for overview of BHS system health and operator controls
- Spec and Create tools to generate documentation and test plans from databases with over 10,000 entries

Microsoft Campus Representative – Rice McVaney Communications / Campus Entertainment (2011 - Present)

- Acquire and compile comprehensive marketing research for Microsoft - directly influenced the purchase of new laptops and gaming hardware with outreach to over 2,000 students

Webmaster – Rutgers University, School of Engineering (2009 - 2012)

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

Pool Operator and Lifeguard – Pool Management Inc. (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

- Code experience (C - 4yrs, C++ - 2.5yrs, Verilog, x86 Assembly, Ladder Logic, PHP, MySQL)
- Embedded Systems (Arduino)
- PCB production (Eagle CAD, PSpice, Multisim)

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 - Second Place in Overall Design (June 2011, 2012)
- Elmer C. Easton Scholarship (2012)
- University of Rochester Xerox Award for "Innovation & Information Technology" (2008)

EXTRACURRICULAR ACTIVITIES

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

VOLUNTEER AND COMMUNITY SERVICE

- Guest Lecturer for a one-day class on "How to Solder, Construct & Program a Line Following Robot" (2010 – 2012)
- Lifeguard for the New York State Special Olympics (2009 – 2012)
- Designed and Maintained website for Meals on Wheels – White Plains, NY (2009)