

Elie Rosen

elie@mylifeiscomputers.net • 914.536.2149 • [linkedin.com/in/elierosen](https://www.linkedin.com/in/elierosen)
31 Overlook Road • White Plains • NY 10605

Education

Rutgers, the State University of New Jersey NEW BRUNSWICK, NJ
Bachelor of Science in Electrical & Computer Engineering 2009 – May '13
Minor: Entrepreneurship • Cumulative GPA – 3.079 • Fall Semester 2012 GPA – 3.583
Relevant course work: Computer Architecture, Digital Electronics, Digital Logic Design, Digital Systems Design, Discrete Mathematics, Operating Systems, Robotics & Computer Vision, and VLSI

Experience

[Siemens Industry, Inc.](#) DALLAS, TX
Electrical and Controls Automation Engineer – Intern May '12 – Aug '12
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 • Created tools to generate documentation and test plans from databases with over 10,000 entries • Primary presenter of the [Factory Acceptance Test](#) to client; enabling project to enter the next stage of development

[Campus Entertainment/ Rice McVane Communications](#) NEW BRUNSWICK, NJ
Windows UCREW Campus Representative Sept '11 – Present
Acquired and compiled comprehensive marketing research for Microsoft • Directly influenced the purchase of new laptops, tablets, cell phones, and gaming hardware with outreach to over 3,000 students

[Rutgers University, School of Engineering](#) PISCATAWAY, NJ
Webmaster Sept '09 – Present
Developed custom web pages and applications for departments, graduate programs, and professors along with various designs actively used across 15+ Rutgers websites

[Pool Management, Inc.](#) WHITE PLAINS, NY
Pool Operator & Lifeguard May '07 – Sept '09
Maintained chemical balance of pool water and prepared pools for summer use • Ensured the safety and rule compliance of pool patrons • Certifications: AED, CPR, First Aid, and Lifeguard

Skills

Programming Languages: C – 4yrs, C++ – 2.5yrs, Verilog – 2yrs, x86 Assembly, Ladder Logic, PHP, MySQL
Embedded Systems: Arduino – 4yrs, MSP430
VLSI & PCB: Cadence, EAGLE, PSpice, Multisim

Awards and Achievements

Deans List (Fall 2012) • *Project Lead*, Intelligent Ground Vehicle Competition, Rochester, MI, *Second place* in Overall Design (2011, 2012) • Elmer C. Easton Scholarship (2012) • Designed web-pages for two Mayors and Common Council Members (2009) • University of Rochester Xerox Award for *Innovation & Information Technology* (2008)

Extracurricular Activities

Chapter President & National Member, Institute of Electrical and Electronics Engineers (2009 – Present) • *Co-Founded*, the Academic Integrity Task Force (2012 – Present) • Rutgers University Student Linux User Group (2009 – 2011) • Rutgers Entrepreneurial Society (2009 – 2011) • *Webmaster*, Engineering Governing Council (2010 – 2011)

Community Service

Encouraged and Inspired young adults to pursue STEM related activities by showcasing and teaching robotics • *Guest Lecturer* for class on “How to Solder, Build & Program a Line Following Robot” • Lifeguard for the New York State Special Olympics • *Designed & Maintained* multiple websites including [Meals-on-Wheels of White Plains, NY](#)

Code and Projects

Online code and circuit board portfolio – [erosen.github.com](https://github.com/elierosen)
Blog of current projects and experiences – mylifeiscomputers.net