

**Elie Rosen** *Looking for Full-Time work in Computer Hardware, Board Layout, VLSI, and Verification*  
elie@mylifeiscomputers.net • 914.536.2149 • [linkedin.com/in/elierosen](https://www.linkedin.com/in/elierosen)  
31 Overlook Road • White Plains • NY 10605

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## 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

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## 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 • Presented and performed [Factory Acceptance Test](#) to client, this allowed the project to move onto 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

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## 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

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## 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](#)

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## Code and Projects

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