Eli Baum

elimbaum@gmail.com
linkedin.com/in/elibaum

(203) 985 5069
Arlington VA

Professional Experience

Jun 2019 – Present

U.S. Department of State, Washington DC
Information Management Technical Specialist

- Tested communications systems for U.S. diplomatic facilities abroad
- Developed Python and web applications for data analysis, hardware testing, and radio-frequency characterization
- Served as government technical representative on research, development, and acquisition contracts
- Maintained Top Secret clearance

Jun 2018 – Aug 2018

IBM Systems, Burlington VT
Summer Development Engineering Intern, *Burn-In & Test*

- Wrote command-line networked Python applications for automated stress-testing of IBM POWER and Z processors
- Designed hardware system and firmware for rapid diagnostics of test equipment

Jun 2017 – Aug 2017

InterSystems Corporation, Cambridge MA
Summer Intern, *Quality Development*

- Built full-stack automated web application in Vue.js for analyzing and visualizing product test coverage
- Mastered proprietary database language
- Developed APIs for integration with open-source software

Education

Sep 2015 – Jun 2019

Yale University, New Haven CT
B.S. *cum laude* in Electrical Engineering & Computer Science

Senior Project: Dynamic Binary Translation for Optimized Functional Units (advisor: Rajit Manohar)

Activities

- Teaching Assistant, *Systems Programming & Computer Organization*
- Design Lab Assistant, *Yale Center for Engineering, Innovation, and Design*
- Principal Trumpet, *Yale Concert Band & Davenport Pops Orchestra*

Skills & Interests

Languages: C, Python; Go, Javascript/HTML/CSS; Java, Ruby on Rails, Rust, Assembly

Areas of expertise: Linux; embedded systems and digital electronics; cellular networking and software-defined radios; silicon design, cybersecurity, and artificial intelligence

Activities: Code for DC Volunteer, working on a Rails/Mongo app to help expand access to medical care among vulnerable populations; volunteer technical advisor to a food-security startup in London.

Personal: Avid consumer of local news, investigative podcasts, and remixes of songs that shouldn't be remixed; devotee of public transit and modern design; amateur linguist, urban planner, chef, runner, and mad scientist.