

LOGAN ALLEN

🏠 858 Renetta Ct. Los Altos, CA 94024 📞 1.650.492.1030 ✉️ lga24@cornell.edu 🌐 loganallen.me 🌐 loganallen

EDUCATION

Cornell University

B.S. in Computer Science | May 2018

Minor in Business Administration

GPA: 3.67 | Engineering Dean's List: 6 Semesters

Relevant Courses

Data Structures and Object-Oriented • Operating Systems • Functional Programming • Database Systems • Data-Driven Web Applications • Algorithms

RELEVANT EXPERIENCE

Wayfair Software Engineering Intern

Boston, MA | Supplier Extranet | Jun - Aug 2017

Created a control center to monitor and manage the health of the supplier extranet team's services and applications • Full-stack web development with SQL, MVC PHP, React and Redux • Made Jenkins jobs to generate and update Grafana dashboards • Agile development

Brocade Software Engineering Intern

San Jose, CA | CTO Office | Jun - Sept 2016

Built a micro-services infrastructure for their mobile edge computing POC • Constructed an RPC protocol in Python and Golang using ZeroMQ as a networking framework and Avro for data serialization • Communicated directly with global business partners

iD Tech Camps Instructor

Stanford, CA | May - Aug 2015

Taught Python and Java to middle and high school students • Optimized campers' learning through personalized instruction and adjusted curricula • Incorporated my own teachings of object-orientation and graphics to improve the quality of programming exposure

CornellAppDev iOS Developer

Ithaca, NY | Feb 2016 - Present

Build complex iOS apps using Swift, Xcode, and Github on a team of Cornell designers and developers • Implement MVC architectures with delegation design patterns

WayFlow Hackathon Project

Boston, MA | July 2017

Internal stack exchange tool for Wayfair • Slack-bot integration, machine learning learning, Solr for data searching, and SQL, PHP, React and Redux web stack • Awarded *most innovative* project by the CTO judge panel

BigRedMaps

Los Altos, CA | Dec 2016 - Present

Full-stack implementation and design of a location-based iOS app to help navigate Cornell's campus • Node-js backend, Swift front-end integrating MapKit, web scraping

CmlControl

Ithaca, NY | Nov - Dec 2016

A git-inspired local version control system built in OCaml that includes branches, merging, code modularity, SHA1 hashing, file compression and tree objects for indexing • Award-winning final project among 300 other students

Inverted Indexing Engine

Ithaca, NY | Oct 2016

Built an inverted indexing and search engine in OCaml • Implemented 2-3 trees for the backend data structure to enable logarithmic operations • Supports indexing 50MB of text files in under a minute

SKILLS & SOFTWARE

Programming

Java • Python • Swift • OCaml • PHP • JavaScript • React • HTML • CSS • C • Assembly • Golang	Git • SQL • Redux • Grafana • TCP/IP • ZeroMQ • Avro • REST
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Operating Systems & Software

Unix • Xcode • Sketch • Logisim

ADDITIONAL EXPERIENCE

CU Men's Club Volleyball Team Captain

Ithaca, NY | Aug 2014 - Present

Lead drills, run meetings, and give both athletic and academic advice • Balance 20+ credits of school work with bi-weekly practices and weekend tournaments

Phi Kappa Tau Social Chairman

Ithaca, NY | Dec 2015 - Dec 2016

Organize, administrate, budget, and delegate responsibilities for all of my fraternity's social events

ECaFT Technology Developer

Ithaca, NY | Aug 2014 - Feb 2017

Create interactive web and mobile applications for student use at the Engineering Career Fair • Make designs using Sketch and build code in Swift with Xcode