

LOGAN ALLEN

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EDUCATION

Cornell University

B.S. in Computer Science | May 2018

Minor in Business Administration

GPA: 3.67 | Engineering Dean's List: 4 Semesters

Relevant Courses

Data Structures and Object-Orientation • Computer System Organization and Programming • Operating Systems • Functional Programming • Database Systems

RELEVANT EXPERIENCE

Brocade Software Engineer 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 • Implemented a REST API to enable remote configuration management • Communicated directly with business partner engineers

iD Tech Camps Instructor

Stanford, CA | May - Aug 2015

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

CUAppDev iOS Developer

Ithaca, NY | Feb 2016 - Present

Build complex iOS apps using Swift, Xcode, and Github • Collaborate with designers, backend engineers, and other developers on this Cornell project team • Implement MVC architectures with delegation design patterns

CmlControl

Ithaca, NY | Nov 2016 - Present

Creating a local version control system in OCaml • Full system design and implementation with Unix modules, SHA1 hashing, and byte-code manipulation

BigRedMaps

Los Altos, CA | Jul 2016 - Present

Designing and programming an iOS app to facilitate student and visitor access to geographical information relating to Cornell's campus • Integrates the GoogleMaps API and gets data from web scraping

Filesystem Indexing Engine

Ithaca, NY | Oct 2016

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

MineSweeperDN

Los Altos, CA | Dec 2015

My first iOS application that is available on the Apple Store • Implemented design and functionality • Used Github for version control and issue management

TowerDefense Game

Los Altos, CA | Jun - Aug 2015

Coded over 2,000 lines in Python to build an object-oriented tower defense game • Utilizes basic A.I. and the PyGame library for graphics

SKILLS & SOFTWARE

Programming

Java • Python • Swift • OCaml •	Git • SQL • TCP/IP •
C • Assembly • Golang • HTML •	ZeroMQ • Avro • Thrift
CSS • PHP • JavaScript	• Flask-RESTPlus

Operating Systems & Software

Unix • Xcode • Logisim • Sketch

ADDITIONAL EXPERIENCE

Phi Kappa Tau Social Chairman

Ithaca, NY | Dec 2015 - Present

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

CU Men's Volleyball Team Captain

Ithaca, NY | Aug 2014 - Present

Lead drills, run meetings, and give both athletic and academic advice • Balance 21+ credits of school work with bi-weekly practices and weekend tournaments

ECaFT Technology Developer

Ithaca, NY | Aug 2014 - Present

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