Alan L. Liu

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Education

Yale University, New Haven, Connecticut
B. S./M. S. in Computer Science, May 2018 (Expected)
Current Cumulative GPA: 3.65
Coursework Includes: Computer Networks, Design & Analysis of Algorithms, Systems Programming,
Discrete Math, Linear Algebra, Data Structures and Programming Techniques
Currently Taking: Operating Systems, Cryptography

Hillsborough High School, Hillsborough, New Jersey
Diploma, June 2014, Unweighted/Weighted GPA: 96/106.1, Class rank: #3/597

Experience

Fitbit Software Engineering Internship   Summer 2016
Device Cornerstone Team- Created a microservice to retrieve and deliver data to internal Fitbit endpoints and
leveraged existing protocols to extend data delivery capabilities to Fitbit trackers

Project Manager & Software Developer, *Yale Student Developers*   January 2015 - Present
Reservations Team- Ruby on Rails project for reserving media equipment from Yale's libraries
Used by Yale's undergraduate and graduate students, in process of expanding to other schools
Created new features including forms allowing students to edit their existing reservations,

Backend Developer, *oVote*   May 2016 – Present
A startup focused on gathering community input and simplifying voting from the hassle of existing surveys
Migrated backend from Parse to a custom cloud solution hosted on Heroku, Planning on extending Android app
functionality

Light Fellow, *Harvard Beijing Academy*   Summer 2015
Chinese language and culture study program in Beijing, China
Developed greater fluency in Chinese (Mandarin), Researched Chinese customs and culture

Extracurricular Activities

Software Developer, *Various Hackathons*   October 2014 - Present
HackPrinceton Spring 2015- Enabled an Arduino to be programmed with 8 bit signals from a phone
PennApps Winter 2015- Developed a virtual real-time music composer integrating Oculus rift and Myo
HackPrinceton Fall 2014- Engineered a Google Glass app for real-time speech translation and display

YHack Organizer (Sept. 2015–Present) –created website and orchestrated a 1500 student hackathon at Yale
Yale Aerospace (Sept. 2014-Present) - Wrote autonomous routine for rover launched in a rocket, implemented
laser transmission design to be used in a cube satellite
Bulldog Bots (Sept. 2014- May 2015) - Programmed autonomous Arduino bot to navigate unknown maze
MathCounts Tutor (Oct. 2014-Feb.2015) - taught math to local New Haven middle school students

Awards

Hackathons: PennApps Top 10, HackPrinceton Spring 2nd Place Hardware, HackPrinceton Fall Best iOS App,
YHack Best Use of MongoDB API
Mathematics: AIME(American Invitational Math Exam) Qualifier 2012-2013, ARML (American Regional
Mathematics League) Qualifier 2012-2014
Language: Yale Light Fellowship – Study Abroad in China (Summer 2015)

Skills

Programming Languages: Java(experienced), Python (experienced), C(experienced), Ruby/Rails(comfortable),
HTML/CSS (comfortable)
Foreign Languages: English(fluent), Chinese(fluent), Spanish (comfortable)