

EDUCATION

University of Southern California, Viterbi School of Engineering May 2019
Bachelor of Science in Computer Science & Business Administration Total GPA: 3.71/4.0
Major GPA: 3.78/4.0
Honors: Trustee Full-Tuition Scholarship, Dean's List, Global Leadership Program SAT: 2280
Relevant Coursework: Algorithms & Computing Theory, Discrete Math, Intro to Programming (C++),
Principles of Software Development (Java), Data Structures & OOD (C++), Software Engineering (JavaScript, PHP)

WORK EXPERIENCE

Viterbi School of Engineering – University of Southern California Los Angeles, CA
Head Teaching Assistant – Introduction to Java Programming August 2016 – Present

- Lead the team of teaching assistants, supplementing class instruction and grading all labs and exams
- Create assignments in Java along with professor Kendra Walther

Raytheon – Military & Cyber Defense Contractor (65,000+ Employees) Tucson, AZ
Modeling & Simulations Software Intern May 2017 – August 2017

- Architected and implemented RESTful APIs using Node.js, connecting to MySQL and SQLite databases
- Coded the front & backend of Raytheon's internal product catalog with Bootstrap, jQuery & AJAX
- Developed file parsers in C++ & JavaScript to convert custom file formats to JSON, XML, WKT & SVG
- Enhanced software controls for Raytheon's virtual reality presentation toolkit using C++ & JavaScript

KKBox – Asia's Top Music Streaming Service (500+ Employees) Nangang, Taipei
Product Development Intern June 2016 – August 2016

- Built prototypes for a user QR code scanning feature using Pixate, and collected user feedback
- Presented findings of market research and prototype feedback in monthly product development meeting

DashBid Media – Online Advertising Platform (30+ Employees) New York, NY
Ad Operations Analyst (July 2014 – August 2015) May 2014 – August 2015

- Increased annual revenue by a projected \$100,000 by updating ad-performance testing procedures
- Presented software and team improvements in company wide meetings

Ad Operations Intern (May 2014 – July 2014)

- Earned employee of the month by coding optimization software in Java to automate core processes

RECENT PROJECTS

CodeU – Invite-Only Learning Project with Google January 2017 – May 2017

- Added functionality to a networked Java chat application originally created by Google engineers
- Built an entirely new web application to interface with the MySQL database, using AJAX & PHP
- Met biweekly with a Google engineer for code reviews and to learn industry best practices

Cloud9 – Research Publication Search Engine & Word Cloud Generator March 2017 – May 2017

- Built a search engine to scrape all IEEE & ACM publications by a user-entered article or author in PHP
- Designed a word cloud generation process in JavaScript to display frequently used words for any entry
- Enhanced PDF download options for publications, with keywords highlighted or custom table outputs

VOLUNTEER ACTIVITIES

Los Angeles Technical Consulting Hub – Nonprofit & Business Technical Help October 2015 – Present

- Create websites for student organizations and local businesses in mostly HTML, CSS, & JavaScript
- Conduct data and usage analytics to understand and improve user interactions for existing sites

Joint Educational Program – Computer Science Volunteer Teaching August 2016 – December 2016

SKILLS & INTERESTS

Primary Languages (Most to Least Proficient): Java, JavaScript, C++, HTML, CSS, PHP, MATLAB, SQL
Platform Familiarity: Mac OS, Windows, Linux/Ubuntu, Eclipse, MVS, Command-Line, Git, Heroku
Interests: Mason Jars, Volleyball, Mountain Biking, Photography, Tea, Healthy Cooking, Finance, Planetariums
Organizations: SpectrumSC & QuEST (*LGBT Professionals*), Undergraduate Student Government, Barbell Club