

Victor Chen

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Work Experience

- Jun 2017 –  **Software Engineering Intern**, New York, NY.
Sep 2017 ◦ Google Apps Team
- Sep 2017 –  **Software Engineering Intern**, Venice, CA.
Dec 2017
- Jun 2016 –  **Software Engineering Intern**, Palo Alto, CA.
Aug 2016 ◦ Worked on the Open API team, developing internal tools
◦ Developed several programs to create, parse, verify, and diff-check XML files for other employees and customers to use
◦ Used various XML APIs, including DOM/SAX Parsing, and DTD/Schema Verification
◦ Languages and APIs used: Java, JavaScript, Spring Framework
- Mar 2016 – **CSE Tutor**, UCSD CSE Department, La Jolla, CA.
Present ◦ Tutor for Object-Oriented Programming, Basic Data Structures & Object-Oriented Design, and Unix Lab Classes
◦ Assisted students in implementations of OOP concepts (polymorphism, abstraction, concurrency, inheritance), various data structures (trees, linkedlists, stacks, hashtables), as well as in using various software tools (Git, Vim, gdb, Makefiles)
◦ Analyzed and debugged students' code, and explained concepts in C, C++, and Java

Education

- June 2019 **Bachelor of Science, Computer Science**, UC San Diego, Provost's Honors, Major GPA - 4.00.
◦ Notable Courses: Human Computer Interaction, Advanced Data Structures, Software Engineering, Basic Data Structures and Object-Oriented Design, Computer Organization and Systems Programming

Projects

- May 2016 – **Autograder Web Developer**.
Present ◦ Member of Autograder team, tasked with managing autograder.ucsd.edu, a website used by 2000+ UCSD CS students to facilitate student-tutor queues and homework grading
◦ Implemented browser notifications feature to notify students when tutors were available for help
◦ Languages and APIs used: Java, JavaScript, JQuery, Play Framework
- Sep 2016 – **liftAI**.
Dec 2016 ◦ Created an automated personal assistant with speech-to-text for gym-goers to maintain a scheduled workout
◦ MEAN stack web application that plays music from their Soundcloud playlist and sync it with their workout
◦ Languages and APIs used: Node, JQuery, Soundcloud API, Bootstrap Calendar API
- Oct 2016 **Channel Stats**.
◦ MEAN stack web application that uses Twitch API and Twitch Chat API to compare two Twitch Channels for chat statistics
◦ Languages and APIs used: Node, Twitch API, Twitch Chat API
- April - May 2016 **CoupleTones**.
◦ Developed an Android application that notifies users when their partners visits one of their favorite locations
◦ Implemented backend server on Firebase, and sending notifications to users, and led team in project design and structure
◦ Languages and APIs used: Java, Google Maps API, Google Cloud Messaging API, Firebase
- Feb 2016 **Match Alert**.
◦ Developed a web app with Node that notifies entrants in a tournament of their upcoming matches through SMS
◦ Languages and APIs used: Node, MongoDB, Challonge API, Twilio API

Languages & Frameworks

- Proficient C, C++, Python, Android, HTML, CSS
Intermediate Java, JavaScript
Frameworks Play, JQuery, AngularJS, Node.js, MongoDB, Firebase, Unix, Unity