

Victor Chen

Work Experience

Jun 2018 - **Software Engineering Intern, Quora**, Mountain View, CA.

- Sep 2018
- Upgraded the infrastructure to detect CVE security vulnerabilities in third party libraries/dependencies and spawn bug reports
 - Aggregated Python, apt, Maven, JavaScript, C++ packages and manifest files to identify CVE vulnerabilities
 - Wrote cron jobs to identify and remove insecure security groups in AWS RDS Databases
 - Languages and Frameworks used: Python, Github API, Phabricator API, AWS EC2, RDS, S3 APIs

Sep 2017 - **Software Engineering Intern, Snapchat**, Venice, CA.

- Dec 2017
- Designed a security linter that lints all internal repos and pull requests for cross-site scripting (XSS) and CSRF vulnerabilities
 - Languages and Frameworks used: Node, Flask, Python, ESLint API, Github API, GAE, GAE Flex, Google PubSub, LCA

Jun 2017 - **Software Engineering Intern, Google**, New York, NY.

- Sep 2017
- Added support for Text Wrapping property (determining if text is confined or overflows past the boundaries of a shape)
 - Extracted the Text Wrapping property when importing/exporting to Slides from/to PPTX, and added support for client-side and server-side rendering
 - Languages and Frameworks used: Java, JavaScript, ClojureScript, Android

Jun 2016 - **Software Engineering Intern, SAP**, Palo Alto, CA.

- Aug 2016
- Worked on the Open API team, developing internal tools for other employees and customers to use
 - Developed several programs to create, parse, verify, and diff-check XML files
 - Languages and Frameworks used: Java, JavaScript, Spring Framework, XML DOM API, SAX API, DTD API, XML Schema API

Education

June 2019 **Master of Science, Computer Science, UC San Diego**, Focus: Systems and Security.

Sep 15-Jun 18 **Bachelor of Science, Computer Science, UC San Diego**, Provost's Honors, Major GPA - 3.96.

Projects

May 2016 - **Autograder Web Developer.**

- Present
- Team lead of autograder.ucsd.edu, a website used by 2000+ UCSD CS students and professors to facilitate student-tutor queues and automated homework grading
 - Implemented browser notifications feature to notify students when tutors were available for help, reformatted UI of homework grading platform, automated email reminders, and implemented Night Mode CSS theme
 - Languages and Frameworks used: Java, JavaScript, JQuery, Play Framework, SQL, React

March 2017 - **Percept, LA Hacks 2017, Best User Experience Award by Disney.**

- April 2017
- Web application that inspires users with past photos with specified locations/objects for their next great photo
 - Integrated Google Maps API and Datamuse API into backend
 - Languages and Frameworks used: JavaScript, JQuery, Node.js, Express, Google Maps API, Datamuse API, Flickr API, Microsoft Computer Vision API

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 Frameworks used: Node, JQuery, Soundcloud API, Bootstrap Calendar API

April - May **CoupleTones.**

- 2016
- 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 Frameworks used: Java, Google Maps API, Google Cloud Messaging API, Firebase

Languages & Frameworks

Proficient C, C++, OCaml, Haskell, Android, HTML, CSS

Intermediate Java, JavaScript, Python

Frameworks Play, JQuery, React, AngularJS, Node.js, MongoDB, Firebase, SQL, Unix