

Work Experience:

Full Stack Software Engineer

Everlaw | Aug 2019 - July 2020

Frontend - Accessibility Dev Team Leader

- Started the accessibility dev sub-team
- Scripted an icon organizer and labeler
- Refactored widget library to be screen-readable by default
- Collaborated with product team to create screen-reader testing
- Added documentation on writing html that is meaningful to all users

Backend - Core billing system

- Fixed a bug costing the company thousands of dollars per year
 - Wrote a program that queried the MySQL database to find affected users and recalculate the billing history for them.
- Implemented feature to track billing rates for deleted projects.
 - Added new table to our psql database
 - Wrote Java middleware, connecting to the database with Spring

Infrastructure - On duty

- Served in on-duty rotation for 2 separate weeks
- Brought critical infrastructure back online after a site outage
- Fixed critical bugs with tight time constraints
- Informed stakeholders of issues and progress on fixes

Stack used: Typescript, SASS, Java, Spring Hibernate, Terraform, MySQL, Postgres, AWS, and Python.

Algorithms Tutor & TA

Santa Clara University | Sep 2017 - June 2019

Tutored Theory of Algorithms; broke down abstract concepts into intuitive ideas for students. As teaching assistant, graded student work and provided constructive feedback.

Virtual Reality Intern

uSens | June 2017 - Aug 2017

Used Python to automate testing of a neural net that detects hand motions. Improved VR demos using Android Studio and Unity.

Projects:

ExtraEats A food sharing app in Dart / Flutter and Node.js
Wrote upload and settings UI. Hosted Node.js backend on Heroku

Tilt Arena A browser game in vanilla Javascript / HTML
Coded animation and collision.

Education:

B.S. Computer Science

Santa Clara University | Sep 2016 - June 2019

3.82 GPA. Math minor. Honors student. Magna Cum Laude.

Designed a React Native app. Wrote a password cracker. Took over a failing chess club. Trained a fast.ai image classifier. Graduated a year early.

Sinclair Chen


Full-Stack Software Engineer

About Me

I develop websites and mobile apps with a focus on scalability and accessibility. I am creative and thoughtful and I write clean, well documented code. I am looking for a company where I can learn new things and make a positive impact.

Get in Touch

 sipec.github.io

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Skills

HTML5
CSS and SCSS
Javascript and Typescript
Dart/Flutter
jQuery, Dojo, React

Python
Java
C and C++

Spring Hibernate
Bash
Terraform
PostgreSQL and MySQL
AWS lambda