Andy Chen

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github.com/ByteMap

EDUCATION

Bachelor of Science in Computer Science   *Sept 2016 - June 2020*
University of California, Santa Cruz

Work Experience

UCSC Genomics Institute: Software Engineer Co-op/Intern   Aug 2019 - *Sept 2020*
- Full stack developer for Dockstore, a registry for bioinformatic tools and workflows
- Worked with Angular 9 (TypeScript), Java, Hibernate, PostgreSQL, and additional tools and frameworks to implement new features and address bugs
- Created CircleCI and/or Travis integration tests as part of resolving issues and implementing new features
- Implemented a RESTful API to delete a user's pending/rejected organization request
- Created the UI for the above API call that enabled easy access for administrators to delete organization requests
- Wrote a notifications UI that executed API calls to retrieve messages from the back-end and display them to the users
- Participated in SCRUM meetings to plan for new features and assign tickets

UCSC School of Engineering: Data Structures Class Grader   *Sept 2018 - Dec 2018*
- Graded 7 lab projects written in Java and C for a data structures class
- Inspected the source code of every project to see how the students had created and utilized their data structures, and how well written their code was
- Left feedback on the students' programs detailing how were written their code was, which tests had failed when running their programs, and what errors were generated from the testing scripts

Projects

Personal Website
- Personal website giving a more detailed resume of myself
- Project is written with TypeScript (Angular 9) and utilizes modules such as Material and Angular animations
- Uses RxJS to dynamically change the page layout through user interactions with buttons, and routing animations to provide a smoother page transition

Chrome Extension: Link Marker
- An extension to visually bookmark a URL, which enables users to have more options with organizing URLs
- Applied Javascript, JQuery, HTML, and CSS to create a popup menu for users to input their URLs
- Utilized Chrome Storage API to store the URL as well as retrieving every URL for recoloring
- Project can be found here: **https://github.com/ByteMap/LinkMarker**

Skills

Programming Languages: Java, TypeScript, Python, C++, HTML
DBMS & Frameworks: PostgreSQL, Angular 9, Hibernate, CircleCI, TravisCI, Dropwizard, Akita State Management
Tools: Github, Unix, IntelliJ, Webstorm, Sublime, Vim, Docker