Christopher Fines

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EDUCATION

University of the Pacific, *M.S. in Computer Science*   Stockton, CA | Aug 2022 - Jan 2024
<u>Relevant Coursework:</u> Advanced Software Engineering, System Administration, Computer Networking, Data Analytics
University of the Pacific, *B.S. in Computer Science*   Stockton, CA| Aug 2018 - May 2022
<u>Relevant Coursework:</u> Algorithms, Human-Computer Interface Design, Programming Languages, Web Applications, Operating Systems, Vulnerabilities, Machine Learning

WORK EXPERIENCE

Cook Systems, *Software Engineering Intern*   Remote |Aug 2024 - Sept 2024
- Collaboratively developed full-stack infrastructure 8 person teams for service applications in Angular and Spring boot
- Integrated 15+ API endpoints with full CRUD functionality alongside their respective unit tests for each request
- Designed website interfaces based on fetched API data, leveraging Angular's framework for single-page applications
- Coordinated with teammates to conduct code reviews, host standups, and merge branches utilizing GitHub
- Validated endpoint functionality by performing black-box testing using custom Postman API testing suites

Digital Humanities Summer Fellowship - UoP, *Software Developer*   Stockton, CA| Jul 2022 - Aug 2022
- Led an interdisciplinary team of 8 in creating a mobile application utilizing the Unity game engine and Scrum framework
- Translated project wireframes and features into interactive implementations to meet project requirements
- Resolved project impediments through team feedback, unit testing and debugging
- Solicited the final build during the university's open house and published to the App Store and Google Play store

Department of Engineering and Computer Science - UoP, *Teaching Assistant*   Stockton, CA |Sept 2022 - Dec 2022
- Administered monthly schedules, projects, and updated class website functionality for the graduate course
- Facilitated a productive learning environment by proctoring exams, clarifying requirements, and enforcing honor code
- Evaluated 30-40 research proposals with structural/technical feedback on a biweekly basis, supporting research pursuits
- Documented and organized over 30 learning resources, demonstration procedures, and policies essential to course material

PROJECTS

Company On-boarding Website   Sept 2024
A full-stack web application in Spring Boot and Angular made for companies to manage teams, announcements, and projects
- Implemented 6 API endpoints of essential entities that will be modified and displayed to the end user
- Translated mock-up components into interactive implementations to meet project requirements
- Integrated back-end functionality into the front-end web-pages to accurately represent user data

"Who's Who" - Spotify Game   Sept 2024
A web application built with Angular, leveraging the Spotify API to fetch track information to quiz users on recognition
- Fetched artist data filtered by genre and randomly selected a track from an artist for the user to guess
- Tested and handled null returns from the API, creating various exception methods to retry fetch requests
- Played audio utilizing the HTMLAudioElement interface to pause, play, and adjust the volume

Social Media Service - Restful API   Aug 2024
A restful API developed in Java, Spring Boot, and PostGres that stores and manages users, followers, posts, hashtags, and likes
- Composed relational database schema connecting 7 entities that served as the foundation for the API
- Identified invalid HTTP requests with data transfer objects by creating and returning various custom exception handling
- Enhanced collaboration and communication skills by working closely with teammates in pair-programming sessions

SKILLS

Programming: Java, Javascript, TypeScript, Python, SQL,
Software: Windows, Linux, Git
Frameworks: Angular, Spring Boot, React