

Christopher Fines

Professional Summary

Christopher Fines is a skilled software developer whose strong foundation roots from the FastTrack Java Developer program and his bachelor's and master's in Computer Science from University of the Pacific. Christopher has demonstrated his skills in the analysis, development, and maintenance of software applications. As a team member, Christopher excels in collaborative efforts when discussing the implementation of features, bugs, and written documentation. For example, developing a mobile application for his University named "Kizuna," and the implementation of restful web service APIs during his time at Cook Systems. He has achieved a proficient level of knowledge and skill in a variety of programming foundations including Java with Spring Boot, JDBC, SQL, and Jackson.

Technical Skills

Programming: Java, Spring Boot, SQL, JDBC, Jackson, C++, C#, JavaScript, Python
Software: Eclipse, VS Code, Git, GitHub, cmd, pgAdmin
Databases: PostgreSQL

Professional Experience

COOK SYSTEMS - Memphis, TN
FastTrack Developer

08/24 - 09/24

Rational Assessment

- Developed a Java program that instantiates data objects of either rational or simplified rational values.
- Implemented an interface shared between rational objects with an emphasis on immutability in order to share methods between objects.
- Utilized various algorithms such as recursion and Euclidean algorithm to achieve the simplification of rational values.

Environment: Java, Eclipse

Spring Assessment

- Created a small web service api to modify quiz data consisting of seven endpoints.
- Each endpoint demonstrated full CRUD functionality for quizzes, questions, and answers.
- Ensured exception handling for each endpoint, catching incomplete, unavailable, or incorrect data.
- Performed blackbox testing using Postman to ensure data validation works as intended.

Environment: Java, Eclipse, pgAdmin, Postman

Department of Child, Family, and Adult Services - Sacramento, CA

04/24 - 08/24

Senior Office Assistant

- Digitized physical case files for database archival
- Exhibited attention to detail by ensuring case documents are digital replicas of the original, ensuring clarity and legibility

Environment: Batch Manager

Digital Humanities Summer Fellowship - Stockton, CA

07/22 - 08/22

Software Developer

- Published a mobile application for the University on the Google Play and App Store
- Led an interdisciplinary team utilizing the Unity game engine and Scrum framework
- Gained proficiency in iterative development by translating project features and requirements into software solutions
- Resolved project impediments through unit testing and debugging, utilizing the “issues” section of the github repository

Environment: C# and Unity

Department of Engineering and Computer Science- Stockton, CA

07/22 - 08/22

Teaching Assistant

- Developed class schedules and projects while coordinating with the research professor
- Facilitated a productive learning environment by proctoring exams, clarifying requirements, and enforcing honor code
- Supported 30-40 student research pursuits by evaluating research proposals with structural/technical feedback on a biweekly basis

Environment: Canvas, Google Drive

Additional Projects

“insidePacific rev2” - Student Homepage Redesign

08/22 - 12/22

- Surveyed the student body, gathered feedback, and created interactive prototypes based on the received insights
- Conducted pilot tests of prototypes for further evaluation, analyzed the results, and presented findings on end-user behavior
- Proposed suggested changes to the university website with an emphasis on user experience to the administration board

Environment: C# and Unity

“Algogame” - Open Source Development

09/22 - 12-22

- Conducted code reviews of existing functionalities, proposing and implementing refactorizations and enhancements
- Implemented unit tests for functions that lacked documentation, allowing for improved readability and maintainability
- Enhanced collaboration and communication skills by working closely with contributors in mob programming sessions

Environment: C# and Unity

Education

Cook Systems FastTrack Java Program - Memphis, TN
Concentrated Java Frameworks and developer tools training

04/24 - 09/24

Middle Tennessee State University - Murfreesboro, TN
Bachelors and Masters of Science: Computer Science

08/18 - 01/24