Jun Xia

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[Github](#) **[Personal Website](#)**

EDUCATION

University of California, Irvine   Expected: June 2025

B.S. in Computer Science, Specialization in Information

GPA: 3.63

Coursework*:* Data Structure Implementation and Analysis; Object-oriented Programming; Machine Learning and Data-Mining; Principles of Operating System; Introduction to Data Management

Honors*:* Dean's Honor List (3 quarters)   September 2021 – June 2023

EXPERIENCE

Research Assistant | UC Irvine   Jul 2023 – Current
- Deployed a Flask app via Docker to integrate a WordPress site with Google Cloud Platform
- Created a user-friendly WordPress interface for reproducible data analysis
- Reviewed technical code and pull requests from external contributors

ICS Lab Tutor | University of California, Irvine   Jan 2023 – Mar 2023
- Tutored intermediate python students by emphasizing conceptual understanding of topics
- Authored weekly journals to evaluate tutoring effectiveness

PROJECTS

Texera (Scala, Java, TypeScript, HTML, Python) ([Github](#))
- Developed a collaborative data analytics platform supporting over 4000 global users
- Added data visualization operators to enhance data processing speed by 10%
- Implemented Git and unit tests for scalability and cross-platform support

Breakout Game (HTML, CSS, JavaScript) ([Github](#))
- Built a Breakout game using HTML5 Canvas and JavaScript
- Designed a responsive UI with interactive features using CSS3
- Developed real-time scoring and brick layout algorithms

Global Airport App (Python, Sqlite3)
- Built a Python GUI app to parse and store 75,880 global airports in an SQL database
- Utilized SQLite3 for complex data queries and detailed airport information
- Employed Git for version control and workflow organization

Skills

- **Languages**: Python, HTML, CSS, JavaScript, TypeScript, Java, Scala
- **Technologies**: Git, MySQL, React, API, Docker, Google Cloud Platform