



Justin Lai

Aspiring computer scientist with strong problem-solving and teaching skills, seeking opportunities to apply expertise in creating enjoyable software!

(862) 296-6223

jylai12734@gmail.com

LinkedIn

GitHub

Skills

- App Development
- Software Testing
- Embedded Systems
- Gaming Experience
- Documenting

Languages



Tools

Apps: Android Studio, React Native

Editors: VS Code, Eclipse, Vim

Virtualization: VM, WSL

Database: PostgreSQL, SQLite

Document: OverLeaf, Microsoft Office, Google Docs

Courseworks

1. Data Structures
2. Algorithms
3. Computer Architecture
4. Testing, QA, and Maintenance
5. Motion Graphics
6. Embedded Systems
7. Mobile Systems and Apps
8. Operating Systems
9. Theory of Computation
10. Software Development Process

Education

Stevens Institute of Technology, Hoboken, NJ
B.S; Computer Science
Minor; Pure and Applied Mathematics
GPA; 3.94 / 4.00

Projects

Fitness App and Sensor (Fall 2023 - Spring 2024)

- Worked with a team of six to develop a fitness app using React Native
- Employed embedded programming to read the weight from a load cell and send that to a phone via BLE 5.0
- Stored data permanently using SQLite
- Interviewed potential customers, documented progress, and prepared a presentation for our product

Sepsis Replication Study (Spring 2023)

- Implemented an ANN to predict 30-day sepsis mortality
- Used SQL to perform complex queries to retrieve data from the MIMIC-III dataset
- Authored a research paper detailing key findings

Experience

Quick Arithmetic (Summer 2022 - Winter 2023)

- Developed an android app and console app game to improve arithmetic skills in Java and C++ respectively
- Utilized multithreading and file storage
- Published the app on the Google Play Store

Course Assistant (Spring 2023 - Spring 2024)

- Assisted in coordinating database and app development courses
- Tasked with helping students and grading assignments
- Automated the creation of PostgreSQL tables from Excel data

Hobbies



Running: Competed in multiple races including a marathon



Piano: Performed in over ten piano recitals



Asian American Club: Led as co-president of the AAC club at Parsippany Hills HS