



Justin Lai

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

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LinkedIn

GitHub

Skills

- App Development
- Software Testing
- Web Development
- Embedded Systems
- Documenting

Languages



Tools

Apps: Android Studio, React Native

IDE: VS Code, Eclipse

Virtualization: VM, WSL

Database: PostgreSQL, SQLite

Document: OverLeaf, Microsoft Office, Google Docs

Courseworks

1. Data Structures
2. Algorithms
3. Software Development Process
4. Database I & II
5. Mobile Systems and Apps
6. Testing, QA, and Maintenance
7. Machine Learning Fundamentals
8. Embedded Systems
9. Operating Systems
10. Theory of Computation

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 to improve arithmetic skills
- Utilized multithreading and shared preferences
- Published the app on the Google Play Store

Course Assistant (Spring 2023 - Spring 2024)

- Assisted in coordinating multiple database 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