Amy Fan

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EDUCATION

DePaul University   *Expected Graduation:* June 2027
B.S. Computer Science, Software Development   *GPA:* 4.0/4.0

Relevant Coursework:
Data Structures, Computer Systems, Algorithms, Discrete Mathematics, Object-Oriented Software Development, Database Systems, Software Testing

SKILLS

Programming Languages: Java, Python, C, C++, JavaScript, HTML, CSS
Operating Systems: Unix
Frameworks/Tools: Git, Maven, React
Technical Skills: API Integration, Dependency Management, Object-Oriented Programming, Front-End Development, Unit Testing

EXPERIENCE

Front-End Developer | Scienceomatic   *Jul 2025 – Present*
- Designed and implemented a Java-based mapping application to visualize geospatial data points on interactive and static maps.
- Integrated mapping libraries (GeoTools) to load base map tiles and render custom vector layers.
- Resolved dependency and compatibility issues across multiple versions of GeoTools modules and external repositories.
- Developed custom overlay painters to draw points and circle markers dynamically from geospatial coordinates.

Supplemental Instruction Leader | DePaul University   *Apr 2025 – Jun 2025*
- Facilitated 2-3 weekly collaborative review sessions for Data Structures I students.
- Reinforced core concepts including linked lists, stacks, queues, trees, and recursion through guided practice.
- Worked closely with professors to align sessions with weekly lecture content and assessments.
- Developed practice problems and worksheets to target areas of difficulty and promote algorithmic thinking.

Licensed Insurance Agent | Jeffrey Fisher Agency (American Family Insurance)   *Sep 2023 – Sep 2024*
- Field inbound calls from 10 to 20 sales prospects each day, conduct cold calling and prospecting, and utilize upselling techniques to achieve 150% to 200% of monthly sales quota.
- Wrote an average of $35,000 to $40,000 in business monthly.
- Collaborated with underwriters to tailor policies that met specific client needs and budget requirements.

PROJECTS

Portfolio Website
- Designed and implemented a single page React application to highlight personal projects and experience.
- Implemented interactive UI components using React and modern CSS.
- Deployed and maintained a fully functional website on Netlify.
Languages Used: React, CSS
GitHub: https://github.com/amyfan7/portfolio-react
Live Site: https://amy-fan.com/

ACTIVITIES

Computer Science Society   **DePaul University**
Member