Amy Fan

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EDUCATION

DePaul University   *Expected Graduation:* June 2027
B.S. in Computer Science - Software Development   *GPA:* 4.0
Relevant Coursework:
Data Structures, Computer Systems, Design and Analysis of Algorithms, Discrete Mathematics, Object-Oriented Software Development, Database Systems, Software Testing

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C++, HTML, CSS, JavaScript
Operating Systems: Unix
Additional Skills: API integration, dependency management (Maven), object-oriented programming

PROFESSIONAL EXPERIENCE

Programmer   **Jul. 2025 - Present**
Scienceomatic
• Designed and implemented a Java-based mapping application to visualize geospatial data points on interactive 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   **Apr. 2025 - Jun. 2025**
DePaul University
• Facilitated 2-3 weekly collaborative review sessions for Data Structures I students.
• Reinforced core concepts including arrays, 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 Producer   **Sep. 2023 - Sep. 2024**
Jeffrey Fisher Agency - American Family Insurance
• Contacted prospective clients about insurance products and policies.
• 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 quotas.
• 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.
• Addressed customer concerns or inquiries regarding policy terms, payments, and contract details.

PROJECTS

Portfolio Website
• Designed and implemented a single-page React application to highlight personal projects and professional 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
Link: https://amy-fan.com/

ACTIVITIES

Computer Science Society   **DePaul University**
Member