

Amy Fan

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EDUCATION

DePaul University

B.S. in Computer Science - Software Development

Expected Graduation: June 2027

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

Programming Languages:

- Java, Python, C, C++, HTML, CSS, JavaScript, Node.js

Operating Systems:

- Linux/Unix, Mac, Windows

Additional Skills:

- API integration, Dependency management (Maven), Object-oriented programming

ACTIVITIES

Computer Science Society

Member

DePaul University