Sophia Deng

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SKILLS, ACTIVITIES, & INTERESTS

Languages: Java, SQL, Bash, C, HTML/CSS, Q#, UML, Python | English, Chinese
Developer Tools: Git, VS Code, IntelliJ, Vim, Eclipse, Access, Visual Paradigm
Operating systems: Windows, Rocky Linux, Ubuntu
Soft Skills: Scrum, Adaptability, Analytical thinking, Presentation, Interpersonal Communication, Rapid Learning
Interests: Systems analysis and design, System Administration, Software Development, Data Management, Project Management

EDUCATION

Purdue University Main Campus - *Bachelors of Science in Computer & Information Technology, Minor in Management* *May 2027*
Relevant coursework: Systems Programming, Database Programming, Problem Solving & O-O programming, OO Application Development, UNIX System Administration, Advanced Systems analysis & Design, Cybersecurity Fundamentals.

Southlake Carroll High School - *AP and GT Program student* *May 2023*

PROFESSIONAL EXPERIENCE

Teaching Assistant **West Lafayette, IN**
Purdue Polytechnic at Purdue University *August 2024 – Present*
- Assisted in teaching over 100 students per semester on HTML/CSS, UML system design, and Agile methodologies.
- Evaluated and provided detailed technical feedback on website prototypes and UML documentation, improving design accuracy, documentation quality, and adherence to system constraints.
- Guided teams in translating client requirements into functional systems, as aligned with real-world SDLC practices.

Xplore Summer Program **Remote**
TechPoint *May 2024 - July 2024*
Certifications:
- Accenture North America - Project Management
- JPMorgan Chase & Co. - Software Engineering
- JPMorgan Chase & Co. - Cybersecurity
- Accenture North America - Data Analytics & Visualization

Receptionist / Guest Care **Southlake, Texas**
Lavender Square Aveda Salon *February 2023 – August 2023*
- Effectively interpreted customer inquiries & directed them to the proper products & services
- Built and maintained client relationships, ensuring positive experiences and retention.
- Coordinate the schedule & priorities among various stylists & schedule appointments accordingly
- Demonstrated proficient communication skills by effectively speaking with different departments, ensuring the timely relay of important information & the skillful de-escalation of issues when necessary.

Quantum Computation Research member **Southlake, Texas**
RCLabX LLC *March 2022 – August 2022*
- Independently studied Quantum Computation, mastering complex concepts through self-directed learning.
- Translated complex knowledge into comprehensible presentations, conveying intricate quantum principles to diverse audiences.
- Collaborated with professors and other researchers using SLACK to work through the IBM Quantum Challenge.

PROJECTS

BoilerBuzz | Java, Git *January 2024 – May 2024*
- Implemented and validated network I/O functionalities, supporting multi-threaded user interactions
- Incorporated GUI using JFrame to enhance user experience.
- Developed test cases, ensuring reliability of the application through thorough unit and integration testing.

ORGANIZATIONS & LEADERSHIP EXPERIENCE

- President of Purdue Soundtracks A Cappella, Purdue University *January 2025 – Present*
- Vice President of Carroll High School Choirs, Southlake, TX *August 2022 – May 2023*
- Youth Board Founder/President, Chinese American Association North Texas Inc. *April 2022 – August 2023*