Jingxuan Liu

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EDUCATION

Georgia Institute of Technology (GT), Atlanta, GA   May 2027
Bachelor of Science in Computer Science, GPA: 3.47
Relevant Coursework: Discrete Math, Intro to Object-Oriented Programming, Data Structures and Algorithms, Design and Analysis of Algorithms, Computer Organization and Programming, Systems and Networks, Objects and Design, Machine Learning, Intro to Databases.

PROGRAMMING SKILLS

Proficient in **Java, Python**; Familiar with **C, Assembly, HTML**, **SQL, CSS, JavaScript**

PROGRAMMING PROJECTS

Time Map — Full-Stack Task & Time Management App   March 2025 – May 2025
- Collaborated with a team of five to design and develop a full-stack mobile website using Django and Python.
- Implemented back-end features, including user authentication and password management, with a MySQL database.
- Conducted unit and integration tests to ensure a bug-free user experience.

Movie Store — Cross-Platform Movie Purchasing App   January 2025 – March 2025
- Developed a cross-platform movie purchasing app for mobile and desktop using Django and Python.
- Implemented secure user authentication and payment processing, ensuring compliance with security standards.
- Designed a MySQL database to manage movie catalogs and user transactions, supporting 100+ mock purchases during testing.

Game Developer — Interactive 2D Game   May 2022 – August 2023
- Partnered with a team of two to create an interactive game using C and Unity.
- Designed core game mechanics and coded gameplay features, enhancing user engagement.
- Performed rigorous testing to ensure cross-platform compatibility and bug-free performance.

Robotic Design — Autonomous Robotic System   June 2022 – August 2023
- Worked with a team of four to develop a robotic system programmed in Python.
- Coded control algorithms to manage robotic movements, improving precision.
- Conducted functional tests to validate system performance under varying conditions.

WORK EXPERIENCE

B&L Drywall, Augusta, GA   August 2022 – May 2024
- Interpreted building blueprints to support construction projects, ensuring accurate implementation.
- Facilitated communication between workers and contractors, streamlining project workflows.
- Adapted dynamic project requirements, maintaining efficiency in a fast-paced environment.

LEADERSHIP & COMMUNITY INVOLVEMENT

Supercomputing @ GT, Member   August 2024 – current
- Actively participate in weekly meetings to learn about high-performance computing
- Engage in introductory coding workshops, applying knowledge of Java and algorithms to explore parallel computing techniques.

Artificial Intelligence @ GT, Member   August 2024 – current
- Collaborate with peers on introductory AI projects, exploring applications like data preprocessing and model development.
- Implemented machine learning models in Python for a team project analyzing dataset patterns, improving prediction accuracy for a club competition

Additional Skills and Interests

- **Languages:** Fluent in Chinese (Mandarin) and English
- **Interests:** Machine Learning, Cloud Computing, Algorithm Optimization, Web Development, Cybersecurity.