

William Li

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Education

The Georgia Institute of Technology - Atlanta, GA

B.S. Computer Science - Junior

Graduation: May 2026

Current GPA: 4.0/4.0

Skills

Programming Languages: C, Rust, Python, Java, JavaScript, HTML/CSS, \LaTeX , SQL

Frameworks/Database: Android Studios, React/ Node.js, YOLOv8 CV, Firebase, MySQL, Tensorflow, EfficientDet

Tools: Git, VSCode, IntelliJ, AGILE Development

Experience

Software Engineer | *PlateRate (Part-time)*

Dec. 2024 – Present

- Iterated on previous AI-driven inventory management project by training/fine-tuning an YOLOv8 computer vision model to improve food-detection by 75+%
- Built RESTful APIs for image upload, detection, MySQL operations, and communication for frontend/backend
- Utilized tools: React, Flask, Node.js, and MySQL to improve workflow, scalability, and detection of 50+ items
- Tested computer vision models like Tensorflow-based EfficientDet and YOLOv8, evaluating hardware use and feedback

Undergraduate Researcher | *Georgia Tech AI Makerspace Nexus*

Jan. 2025 – Present

- Initializing efforts to democratize access to GT's x NVIDIA's supercomputer hub on team of 30+ people
- Creating educational assistant for GT's courses using open-source AI with GPU access to PACE supercomputer
- Implementing data metrics such as number of users, duration of session, and feature usage (chatbot, quizzes, compilar, etc)

Operations Manager | *China Panda (Family-owned)*

Aug. 2019 – Present

- Facilitate organizational/ transactional logistics such as inventory management and customer service
- Led outreach to delivery/ marketing companies to increase average monthly revenue by 40% since 2022 and expanding customer base by 10+ miles
- Implement tech namely POS system and surveillance, reducing checkout times (25%) and loss incidents (100%)

Data Science Engineer | *Data Science Club @ GT*

Aug. 2024 - Dec. 2024

- Analyzed patterns using Pandas in Jupyter Lab, correlating Novak Djokovic's increase success when exceeding 6 hits
- Developed Python script to identify winning rally combinations from movements like forehand/backhand and ball position
- Cleaned data from Kaggle/GitHub, applying statistical modeling and visualization in Jupyter Lab

Software Engineering Fellow | *HeadstarterAI*

July - Aug. 2024

- Engaged with Fortune 500 founders, engineers, and speakers and completed 2+ projects
- Simulate the expectations of a work environment and team communication by completing projects and providing stand-ups at fixed deadlines
- Developed technical skills like LLM integration, reducing work time by 20% via automation and AI tools

Projects

InventoryTracker | *NodeJS, Google Firebase, Material UI, OpenAI, Generative AI, Git*

July 2024

- Employs OpenAI to automate inventory listing, decreasing operational time inefficiencies by 80%
- Identifies and documents up to 10+ items in single file using Image to Text AI models
- Allows users to manipulate items from list, reducing avg. time spent on documentation (20 min to 5 mins)

WonderBot (GT Hackalytics 2024) | *Python, LLMs, Generative AI, Streamlit, Git, VS Code*

Feb. 2024

- Developed a custom travel planner, automating an itinerary based on 5+ user preferences with GenAI
- Delivers for variables such as cost, vacation type, duration, and more under 10 seconds
- Reduces user research time/planning from an avg. of 16 hours to 2 hours. a 87.5% decrease

Coursework

- Courses:** Design/Analysis of Algo, Computer Organization & Program, Object-Oriented Programming, Data Structures & Algo, Discrete Math, Linear Algebra, Calculus, Probability & Statistics, Physics, Combinatorics
- Awards:** Zell Miller Scholarship Recipient, Faculty Honors, Seal of Bi-literacy, International Seals Diploma
- Languages:** English, Spanish, Mandarin