





William Li

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Education

The Georgia Institute of Technology - Atlanta, GA Graduation: May 2026
B.S. Computer Science - Artificial Intelligence and Systems/Architecture 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, PowerShell, Bash

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