

Austin Perez
M.S. Computer Science + B.S. Mathematics
Washington University in St. Louis
(Expected Graduation: May 2026)

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Degree	University	Year	CGPA/%
B.S. Computer Science + Math	Washington University	2022-2025	3.74
M.S. Computer Science	Washington University	2025-2026	3.74

TECHNICAL SKILLS

- **Languages:** TypeScript/JavaScript, Python, SQL, C++, HTML/CSS
- **Frameworks & Libraries:** React, Node.js/Express, Next.js, FastAPI
- **Cloud & DevOps:** AWS (EC2, ECS, App Runner, S3), Docker, Kubernetes, GitHub Actions
- **Databases:** PostgreSQL, MongoDB
- **AI Tooling:** Gemini API, OpenAI API, GitHub Copilot, LLM-based test generators
- **Agile & Scrum:** Iterative research sprints, sprint retrospectives, Jira tracking

WORK EXPERIENCE

- **Software Engineer | Stealth Startup (NDA)** [May. 2025 – Aug. 2025]
 - Early engineer (1 of 6) building a green-field, cloud-native product from scratch.
 - Full-stack development with **TypeScript/React, Node, Postgres**, and **AWS App Runner/ECS**.
 - Built scalable microservices and data pipelines to handle high-throughput workloads.
 - Pioneered AI-assisted coding & test tools, sped up delivery of MVP features, and worked with other junior developers through reviews/pairing while maintaining clean, secure code under NDA.
- **Founder + Product Manager | Quture** [Feb. 2024 - Aug. 2025]
 - Founded and led Quture, a Gen Z-focused secondhand clothing marketplace, from concept to launch using **TypeScript, React Native**, and the **MERN** stack.
 - Recruited, mentored, and managed a cross-functional team of 6 developers, overseeing product design, full-stack development, and agile workflows.
 - Integrated and optimized critical infrastructure including APIs for shipping, payments, and real-time tracking, improving transaction speed and reliability.
 - Fundraised over **\$15,000** and led Quture to become a finalist at multiple startup competitions through technical innovation and market insight.
- **Full-Stack Intern | Washington University in St. Louis** [May. 2024 - Aug. 2024]
 - Collaborated with startups at the Skandalaris Center, and worked as a full-stack developer.
 - Developed and maintained web applications using **JavaScript**, focusing on creating responsive and user-friendly interfaces.
 - Engaged in the full product development process, contributing to ideation, development, and deployment stages.
 - Worked with other interns and studied under more experienced developers, fostering a collaborative and learning-focused environment.

PROJECTS

- **Stock Options Pricer** [Nov. 2024]
 - Developed a web-based stock options pricing platform using **Python, Django**, and **Vue.js**.
 - Implemented advanced financial derivatives models and pricing algorithms, including the **Black-Scholes** and **Binomial Tree** methods, demonstrating my understanding of financial mathematics and quantitative analysis.
 - Designed an intuitive and responsive user interface with **Vue.js**, ensuring a seamless user experience for financial analysis and decision-making.

RELEVANT COURSES

- **Data Structures and Algorithms | Analysis of Algorithms | Financial Mathematics | Probability and Statistics | Linear Algebra | Machine Learning | Artificial Intelligence | Data Science | Systems Software**