

Derrick Chen

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EDUCATION

Georgia Institute of Technology <i>Bachelor of Science in Computer Science</i>	Expected May 2027 GPA 3.70
• Relevant Coursework: Data Structures and Algorithms, Computer Audio, Object Oriented Programming, Computer Architecture, Mobile/Web Development, Operating Systems, Database Design	

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, C, C++, HTML, CSS
Frameworks: React, Node.js, Next.js, Flask, JUnit, Jest, Django, Spring Boot, Express
Developer Tools: AWS, Git/GitHub, Vercel, Jira, Playwright, Azure, GCP, Docker
Databases: PostgreSQL, MongoDB, MySQL

EXPERIENCE

Incoming Software Engineer Intern <i>Walmart Global Tech</i>	Summer 2026 Bentonville, AR
• idk the team yet	
Software Engineer Intern <i>BigID</i>	June 2025 - Aug 2025 Atlanta, GA
• Developed integration for BigID customers to stream DSPM cases into AWS Security Lake using IAM and S3 , allowing customers to centralize DSPM data within their AWS environments	
• Built the backend in Node.js , using ETL pipelines instead of RESTful APIs to handle terabytes of security data, cutting ingestion time by over 100x (hours to minutes)	
• Wrote Jest unit tests achieving 80%+ code coverage and built end-to-end integration tests for DSPM - AWS workflows; used Jenkins to manage test environments and automate cloud deployments	
Undergraduate Researcher <i>GROWER Research Lab</i>	Aug 2024 – Dec 2024 Atlanta, GA
• Wrote Python scripts to web scrape data on power outages from 13+ sources, expanding my team's dataset coverage by 15% of U.S. states	
• Cleaned and analyzed datasets with 1M+ records , enabling data analysis in emergency response, public investments, and public policy	
• Collaborated on a subteam of 6 using Agile methodologies such as daily standups, sprint planning, and pair programming, while partnering with Oak Ridge National Laboratory	

PROJECTS

GT Notes gtnotes.org <i>TypeScript, AWS, PostgreSQL, Node.js, Express, React</i>	July 2025 - Present
• Deployed a fullstack web app with 480+ users for Georgia Tech students to share and find lecture notes across different semesters and professors	
MedScan <i>Python, Flask, PyTorch</i>	Feb 2025
• Integrated a PyTorch TorchXRayVision model into a Flask web app for x-ray diagnosis, reducing diagnostic time for healthcare professionals	
• Optimized AI response time by caching results of similar asked questions in a SQLite database	
Movie Atlas <i>TypeScript, Next.js, TailwindCSS</i>	Jan 2025
• Built a movie discovery platform offering 10,000+ titles and live movie details refreshed from TMDB API	
• Accelerated page load times by 20% by optimizing Next.js server-side rendering with image loading strategies	
• Optimized API requests with caching, reducing search latency by 66% (1.5s → 0.5s)	

EXTRA

Awards: Coca-Cola First Generation Scholar, Zell Miller Scholarship Recipient
Extracurriculars: WebDev @ GT, Intramural Sports, Blockchain @ GT, Greek Life (Director of Career Development)