

Derrick Chen

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EDUCATION

Georgia Institute of Technology

Expected December 2027

Bachelor of Science in Computer Science

- 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, PyTest, Docker, Kafka

Databases: PostgreSQL, MongoDB, MySQL

EXPERIENCE

Incoming Software Engineer Intern

Fall 2026

IBM

San Jose, CA

- Incoming for Fall 2026 cohort
- Watsonx.Governance Team (AI compliance at scale)

Incoming Software Engineer Intern

Summer 2026

Walmart

Bentonville, AR

- Incoming for Summer 2026 cohort
- VizPick Team (Computer vision inventory system)

Software Engineer Intern

June 2025 - Aug 2025

BigID

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

Aug 2024 - Dec 2024

GROWER Research Lab

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 | *TypeScript, AWS, PostgreSQL, Node.js, Express, React*

gtnotes.org

- Deployed a fullstack web app with **480+ users** for Georgia Tech students to share and find lecture notes across different semesters and professors
- Designed a **PostgreSQL** database schema and implemented type safe queries with **Drizzle ORM** to manage note metadata, while storing and retrieving files in **AWS S3**
- Built an authentication workflow using **JWT** for stateless session management with Google Cloud (GCP) and Microsoft (Azure) OAuth 2.0 providers

EXTRA

Awards: Coca-Cola First Generation Scholar, Zell Miller Scholarship Recipient

Extracurriculars: WebDev @ GT, Intramural Sports, Blockchain @ GT, Greek Life (Director of Career Development)