

# ALVYN KWON

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## EDUCATION

### Georgia Institute of Technology

Atlanta, GA

*Bachelor of Science in Computer Science*

*Expected Graduation Date: Dec 2026*

- Concentration: Information Internetworks and Intelligence
- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Linear Algebra, Discrete Mathematics, Design & Analysis of Algorithms, Intro to AI, System & Networks, Objects & Design

## EXPERIENCE

### Software Engineer Intern

Jun. 2024 – Present

*Fullsteam*

*Atlanta, GA*

- Incoming Summer 2025

### Lead Undergraduate Researcher

Aug. 2024 – Present

*Accelerating Materials Discovery with AI Lab*

*Atlanta, GA*

- Led a 5-member subteam in LLM research using Agile methods, enhancing collaboration and delivering iterative model improvements aligned with product-level AI applications
- Developed production-ready models in Python & PyTorch, improving structure prediction accuracy by 80% through iterative debugging and agile feature delivery
- Analyzed model performance using regression metrics and loss tracking, generating insights and visual content for internal documentation and AI system presentation

### Software Developer Intern

May 2024 – Aug. 2024

*MasterKlass*

*Palisades Park, NJ*

- Developed and deployed an admin dashboard using React & Django, enhancing data accuracy across 400+ user profiles and improving user workflows and system usability
- Engineered a Python-based automation system, cutting manual data entry errors and processing time by 50%
- Led code reviews and implemented GitHub CI/CD workflows to automate testing and deployment, reducing production bugs and improving code reliability

### Project Manager

Jan. 2024 – May 2024

*Georgia Tech Web Development Organization*

*Atlanta, GA*

- Spearheaded Agile development of student-facing web apps used by 1,000+ students, improving digital engagement and streamlining communication
- Facilitated stakeholder feedback sessions to iteratively improve product usability and align feature development with user needs
- Utilized modern DevOps and deployment tools such as Vercel, AWS, and GCP to bring projects to production

## PROJECTS

### Wrappify | React, Python, Django, PostgreSQL, Git

Oct. 2024

- Created Spotify Wrapped-style analytics web app using React, Django, and PostgreSQL, enabling dynamic user storytelling via personalized music data
- Built dynamic user analytics features with React, Python, and PostgreSQL, integrating APIs and async operations to create fast, interactive frontend experiences

### Magnidia | Next.js, TypeScript, PostgreSQL, AWS, Google Cloud, Docker

May 2024

- Built scalable event management app using Next.js and AWS-based PostgreSQL, enabling seamless scheduling and user interaction for 200+ students
- Dockerized microservices and deployed them on GCP, applying system-level programming and cloud infrastructure to support scalable backend architecture

## SKILLS

**Languages:** Java, Python, C, C++, JavaScript, TypeScript, HTML, SQL

**Frameworks:** React, Next.js, Angular, Django, PyTorch, Prisma, Firebase, MongoDB

**Tools:** Git, Docker, PostgreSQL, AWS, Azure, Vercel, GCP, Figma, Redis, Kubernetes, Linux/CLI

**Organizations:** GT WebDev, Undergraduate Research, Korean Computer Science Association