
Marcus Chen

B.S. Computer Science Candidate

Georgia Institute of Technology | Atlanta, GA

Date: July 31, 2026

Amazon.com, Inc.

Attn: Student Programs & Engineering Recruiting
410 Terry Ave N, Seattle, WA 98109

Subject: Letter of Interest for Internship Opportunities at Amazon

Dear Amazon Hiring Team,

I am writing to express my enthusiastic interest in Software Development Engineer (SDE) and Technical Internship opportunities at Amazon. As a Computer Science undergraduate with a deep passion for cloud-native architectures, distributed systems, and scalable software design, I have long admired Amazon's relentless commitment to customer obsession and operational excellence. I am eager to apply my technical foundation, problem-solving skills, and bias for action to engineering teams building services that impact hundreds of millions of global customers daily.

Currently pursuing a Bachelor of Science in Computer Science at the Georgia Institute of Technology, I have built a rigorous foundation in data structures, algorithms, object-oriented design, operating systems, and cloud computing architecture. My core technical repertoire includes advanced fluency in **Java, Python, C++, and SQL**, alongside practical experience building and deploying cloud infrastructure on **Amazon Web Services (AWS)**, including AWS Lambda, Amazon S3, Amazon EC2, and DynamoDB. Throughout my academic career, I have consistently sought opportunities to bridge theoretical concepts with real-world software engineering challenges.

During my recent software engineering internship at NCR Voyix, I served as a core contributor to an enterprise transaction-processing team. Tasked with improving backend system throughput during peak retail volume, I engineered an asynchronous order-validation pipeline using Java, Spring Boot, and AWS SQS. By redesigning our microservice architecture to decouple synchronous database calls, I helped reduce average API response latency by 28% and enabled the system to reliably process over 200,000 transactions per hour. Additionally, I authored automated unit and integration tests using Python and JUnit, elevating test coverage across our core codebase from 74% to 91%. This experience taught me the critical importance of diving deep into system performance bottlenecks and taking end-to-end ownership of backend service reliability.

Beyond enterprise software development, my academic and extracurricular projects reflect my commitment to inventing and simplifying complex technical processes. For my capstone cloud engineering project, I architected a serverless real-time analytics engine utilizing Python, AWS Lambda, API Gateway, and Amazon DynamoDB to track user engagement metrics across web applications. The system successfully ingested and structured over 500,000 daily events with sub-second retrieval times, while keeping cloud infrastructure costs under \$15 per month. Furthermore, as the Lead Developer for the Georgia Tech Software Development Club, I spearheaded a team of four engineers in developing an open-source accessibility toolkit. Under my technical leadership, our team delivered a fully functional web tool that converted visual interface elements into accessible screen-reader formats, earning first place out of 40 competing student teams at our annual campus technology showcase.

What excites me most about interning at Amazon is your unique builder culture and the unmatched scale at which your engineering teams operate. Whether optimizing global supply chain logistics, advancing cloud infrastructure at AWS, or refining personalized consumer features, Amazon sets the standard for customer-centric technological innovation. I am deeply inspired by Amazon's core Leadership Principles, particularly *Customer Obsession*, *Invent and Simplify*, and *Deliver Results*. My background demonstrates a consistent track record of taking initiative, collaborating effectively across multidisciplinary teams, and producing measurable business and technical impact under tight schedules.

I would welcome the opportunity to contribute my technical skills, analytical mindset, and drive for continuous learning to an internship role at Amazon. Thank you for your time, consideration, and dedication to building world-class engineering teams. I look forward to the possibility of discussing how my background aligns with upcoming internship opportunities.

Sincerely,

Marcus Chen

Bachelor of Science in Computer Science
Georgia Institute of Technology • Atlanta, Georgia