

Josh Landsman

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Personal Statement

Creating positive change in the world through computer science

Education

Georgia Institute of Technology

2020-2025

Candidate for B.S./M.S. in Computer Science

B.S. in Information Internetworks & Intelligence; M.S. in Machine Learning

Cumulative GPA: 3.83

Work Experience

Capital One - *Software Engineer Intern, Cyber* (McLean, VA)

June 2023-Aug 2023

- Led development of Slack bot integration in JavaScript, enabling seamless interaction with internal API; optimized team productivity by simplifying repetitive tasks and providing real-time data access without manual API calls
- Devised a Command-Line Interface (CLI) in Python enabling seamless image uploads via Docker to Artifactory, followed by an automated scanning process to assess and report security and compliance violations to the user
- Engineered middleware Python API to facilitate internal container scans in order to isolate secure credentials from a CLI via authenticated LDAP sessions using JWT tokens
- Deployed technology stacks via Jenkins with AWS Lambda, CloudWatch, DynamoDB, and S3 Buckets

NCR Corporation - *Software Engineer Intern, Innovation Lab* (Atlanta, GA)

May 2022-Aug 2022

- Developed a computer vision monitoring system in Python utilizing SciPy, Sklearn, and OpenCV to analyze current conditions in a populated environment to decrease system downtime; reported issues via Slack API
- Created KNNs to classify images and histogram data to provide real-time information of monitored zones
- Produced knowledge graphs and used data analysis methods increasing an internal product's accuracy from 70% to 97%; generated full stack NestJS/Next.js website to display results (48-hour collaborative hackathon)

NCR Corporation - *Software Engineer Intern, Innovation Lab* (Atlanta, GA)

May 2021-Aug 2021

- Created production REST API for NCR's Global Hackathon to organize international participants, teams, and conference talks using NestJS, Azure, and PostgreSQL; co-managed deployment/stability of new NCR website
- Designed system for NCR employees to contribute toward future goal achievement at NCR through Brightidea with an Ethereum Blockchain-based reward system
- Collaborated in team meetings to shape innovative use cases for AI/Computer Vision in NCR's point-of-sale

Lucille Games - *Software Developer* (Virtual)

Apr 2020-Aug 2020

- Collaborated with developers and quality assurance team to develop and improve existing games

XLink LLC - *Software Intern* (Virtual)

Sept 2017-Mar 2020

- Produced image recognition software utilizing SIFT, SURF, and ORB algorithms and homography

Projects

Personal API - *GitHub Repository*

- NestJS API to automate personal tasks and for use with future personal full stack projects

PKNK - *GitHub Repository*

- Android app in Java for hackathon to exchange cooking recipes in a social media style using Google Firebase

Skills

Languages/Tools: Java, JavaScript, NestJS, Next.js, TypeScript, Python, AWS, PostgreSQL, Firebase, Google Cloud, Azure, React/React Native, Dart, Flutter, Git, Lua, Vercel, HTML, CSS

Relevant Coursework: Object-Oriented Programming, Data Structures & Algorithms, Design & Analysis of Algorithms, Computer Organization and Programming, Systems and Networks, Intro to AI, Intro to Database Systems, Applied Combinatorics, Linear Algebra, Discrete Mathematics

Extracurricular Activities

Alpha Epsilon Pi Fraternity - *Treasurer/Executive Board & Philanthropy Chair*

Apr 2021-Apr 2022

- Established and managed \$150K annual budget used to organize day-to-day operations
- Led weekly meetings to help plan events and organize logistics
- Organized philanthropic events for foundation helping children with heart defects

HackGT: Catalyst - *Mentor*

Mar 2021

- Selected to mentor 30 high school students in Cybersecurity track of hackathon

Food Relief Agency - *Volunteer*

2013-Present

- Packed over 300 food boxes and delivered to homes with low food security in community

Honors & Awards

- National Honor Society, Mu Alpha Theta, National AP Scholar, RHS Computer Club Leadership Award