



Josh Landsman

✉ joshua.landsman@gmail.com 📞 (973) 714-0577 📍 Atlanta, GA [in](https://www.linkedin.com/in/joshua-landsman) [joshua-landsman](https://www.linkedin.com/in/joshua-landsman) 🐙 [joshbl-dev](https://github.com/joshbl-dev) 🌐 joshbl.dev






Personal Statement

Creating positive change in the world through computer science

Education

 Georgia Institute of Technology 2020-2024 Candidate for B.S. in Computer Science Concentrating in Information Internetworks & Intelligence Cumulative GPA: 3.87	 Randolph High School, NJ 2016-2020 High School Capstone Diploma Cumulative GPA: 4.72 (weighted), 4.08 (unweighted)
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Work Experience

-  **NCR Corporation** 📍Atlanta, GA (*Software Engineer Intern, Innovation Lab*) May 2022-Aug 2022
 - Developed a computer vision monitoring system in Python utilizing SciPy, Sklearn, and OpenCV to analyze current conditions in an active and populated environment then report issues via Slack API
 - Created KNNs to classify images and histogram data to provide real-time information of monitored zones
 - Adapted REST API from previous summer internship into GraphQL API to meet business requirements
 - Generated a full stack NestJS/Next.js website in 48-hour collaborative hackathon to display the increase in an internal product's accuracy from 70% to 97% when utilizing knowledge graphs and data analysis methods
-  **NCR Corporation** 📍Atlanta, GA (*Software Engineer Intern, Innovation Lab*) May 2021-Aug 2021
 - Created a 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** 📍Virtual (*Software Developer*) Apr 2020-Aug 2020
 - Collaborated with multiple developers and a quality assurance team to develop and improve existing games
 - Created a streamlined process to evaluate/fix the functionality of new game features
-  **XLink (Startup Entrepreneur: Munroe Chirnomas)** 📍Virtual (*Software Intern*) Sep 2017-Mar 2020
 - Produced image recognition software utilizing SIFT, SURF, and ORB algorithms and homography
 - Created a web scraping tool that tested for reactions from different mainstream websites, and which also gathered statistics regarding those automated interactions
-  **Harvard University Medical School** 📍Boston, MA (*Research Intern*) Aug 2019
 - Applied computer science skills with bioinformatics; exposed to biomedical wet lab and state-of-the-art molecular biology techniques, including single cell sorting and RNAseq

Projects

Personal API

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

PKNK

- Programmed an Android application in Java for the 2020 QuackHacks hackathon, which provided a platform for individuals to exchange cooking recipes in a social media style using a Google Firebase real-time database

Skills

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

Relevant Coursework: [Object-Oriented Programming](#), [Data Structures & Algorithms](#), [Computer Organization and Programming](#), [Systems and Networks](#), [Intro to AI](#), [Applied Combinatorics](#), [Linear Algebra](#), [Discrete Mathematics](#)

Extracurricular Activities

Alpha Epsilon Pi Fraternity (*Treasurer/Executive Board & Philanthropy Chair*) Apr 2021-Apr 2022

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

HackGT: Catalyst (*Mentor*) Mar 2021

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

Food Relief Agency (*Volunteer*) 2013-2022

- Packed donated food boxes (n=300) and delivered food to homes with very low food security in community

Honors & Awards

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