

Josh Landsman

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Personal Statement

Creating positive change in the world through computer science

Education

Georgia Institute of Technology

Matriculation Date: Aug 2020, Computer Science
2020-2024



Randolph High School, NJ

High School Diploma
2016—2020
Cumulative GPA: 4.72 (weighted), 4.08
(unweighted)

Work Experience

Lucille Games Virtual

Software Developer

Apr 2020 – Aug 2020

- Collaborated with multiple developers and a quality assurance team to develop and improve existing games on Lucille Games' network
- Created a streamlined process to evaluate the functionality of new game features
- Brainstormed and implemented new systems to create new immersive gameplay experiences
- Tested and patched existing bugs due to outdated code

XLink, (Employer: Munroe Chirnomas) Virtual

Software Intern

Sep 2017 - Mar 2020

- Developed 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
- Collaborated with team of software and mechanical engineers working on robotics for specific industrial solutions

Harvard University Medical School/Brigham and Women's Hospital Boston, MA

Harvard Laboratory 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
- Attended research team meetings with postdocs and principal investigator and meetings with invited speakers at hospital
- Observed process of submission to a research journal

Projects

PKNK

- Created an Android application using Java for the 2020 QuackHacks hackathon, which provided a platform for individuals to exchange cooking recipes in a social media style. The program uses Google Firebase to provide a real-time database for live updates to user feeds.

Skills

Languages/Tools: Java, Python, HTML, CSS, Lua, Android Development, Game Programming, Git

Relevant Coursework: Object-Oriented Programming, Linear Algebra, Discrete Mathematics

Extracurricular Activities

RHS Computer Club

Co-President/Executive Board Member

Aug 2018 - Jun 2020

- Developed yearly planning of projects and strategies to support and improve club; led club and board meetings, led student-run coding lessons, delegated tasks for improved efficiency
- Secured new funding from Head of Technology Department for new innovative programs
- Improved programs and increased membership 25% from approximately 40 to 50 students; increased participation in monthly CyberPatriot competitions hosted by the Air Force Association

Food Relief Agency

Volunteer

2013-2020

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

Honors & Awards

National Honor Society

Jun 2020 - Randolph High School

Mu Alpha Theta

Jun 2020 - Randolph High School



National AP Scholar

Jul 2020 - The College Board



RHS Computer Club Leadership Award

Jun 2020 - Randolph High School