

Hello! I am a Junior at Brown University studying Computer Science and Applied Mathematics. My interests include mathematical modeling, machine learning, and game theory, among others. Outside of academics, I enjoy reading, skiing, watching basketball, [video editing](#) and playing ultimate. I currently play for Brown's team, [Brownian Motion](#), which finished second overall at College Nationals this past May. Please reach out with any questions!

SKILLS

Languages	Python, Java, C, SQL, Make, \LaTeX , MATLAB, HTML
Development Utilities	VIM, VSCode, Git, Shell, AWS
Modelling	Google Sketchup, Solidworks, Autodesk Inventor

TECHNICAL EXPERIENCE

Software Engineering Intern <i>Algorex Health</i>	Aug 2020 — Sep 2022 <i>Boston, MA</i>
---	---

- Wrote robust backend code in python, Make, SQL, and Shell for client data ingestion
- Wrote algorithms to parse relevant information (headers, data types, etc.) out of various client data formats such as excel, csv, and zip files
- Wrote code to collect and visualize aggregate statistics and run background analysis on parsed client data to streamline downstream data science process

Research Intern <i>North Carolina School of Science & Math</i>	Summer 2018 <i>Durham, NC</i>
--	---

- Researched and compared the performance of various algorithms applied to the Traveling Salesman Problem
- Final presentation can be found [here](#)

Software Development Intern <i>Pratt School of Engineering, Duke University</i>	Summer 2017 <i>Durham, NC</i>
---	---

- Contributed to the [Anaerobic Digestion Pasteurization Latrine](#) Project, designed to "provide clean, sustainable, odor-free latrines for communities of 20-50 people with no water supply or energy source required"
- Wrote C code deployed to latrines in Kenya and the Philippines regulating their digestive processes and transmitting real time data

EDUCATION

Bachelor of Science in Applied Mathematics & Computer Science <i>Brown University</i>	2024 — Expected <i>Providence, RI</i>
---	---

- Cumulative GPA: 4.00
- Relevant Coursework: Introduction to Object Oriented Programming, Data Structures and Algorithms, Systems, Linear Algebra, Differential Equations, Probability & Statistics

Certificate of Secondary Education <i>C E Jordan High School</i>	Jun 2019 <i>Durham, NC</i>
--	--------------------------------------

PROJECTS

Filmsplice	Python
<ul style="list-style-type: none">• Coded a utility for automatically downloading ultimate game film clips, splicing them together, and uploading them to YouTube• See details at filmsplice.calnight.in	

Games	Java
<ul style="list-style-type: none">• Coded multiple mobile and classic games, including Doodle Jump, Pacman, and Tetris	

Shell	C
<ul style="list-style-type: none">• Coded a basic shell capable of parsing, forking, and executing user commands	

Brownian Motion Website	HTML
<ul style="list-style-type: none">• Responsible for maintaining the Brown Ultimate website	

ACTIVITIES

National Merit Scholarship Finalist	2019
Captain and President — <i>Jordan High Ultimate Frisbee Team</i>	2018 — 2019
Captain and Treasurer — <i>Jordan High Ultimate Frisbee Team</i>	2017 — 2018