

Caleb Moran

Software Engineering Intern

WORK EXPERIENCE

Software Engineering Intern June 2023 — Present

BTS Asset Management

- Optimize employee workflow through Python programs to automate the generation of necessary charts, graphs, and Excel files for internal research and marketing purposes
- Use Pandas, Numpy, Matplotlib, and APIs, saving the firm over 100 hours each quarter

Software Design Intern May 2023 — Present

Develop For Good

- Update and improve website design for non-profit clients
- Create mock-ups, elements, and prototypes in Figma
- Perform user research and testing with a focus on accessibility

CS Teaching Assistant August 2022 — December 2022

Brown University

- As a Teaching Assistant for Computer Science: An Integrated Introduction (CSCI 0170), wrote and revised course content to meet updated standards
- Led weekly CS labs for 25 students, introducing new content and strengthening student understanding. Graded labs, homework, and projects with detailed, prompt feedback
- Assisted students one-on-one at office hours and through an online forum

Software Engineering Intern March 2020 — September 2020

NOVA Web Development

- Coded, tested, and published a graphics program (GASP) for educators to use in their CS courses as the lead developer
- Participated in weekly meetings, served as QA, and developed skills in the Django framework

PROJECTS

On Deck Sports Web Application

Co-Creator







- Programmed a web app to process user-inputted sports teams, access an API, and produce a calendar view of all relevant games for users to watch
- Utilized Java (back-end) and TypeScript with React (front-end), mocks, integration testing, and Git with my team of 4 developers

GASP Graphics Project

Lead Developer

- Created a Tkinter wrapper to make graphical programming accessible for novice computer scientists
- As project lead, programmed the majority of the Python code base, documented the logic, and introduced GASP to teachers in Arlington County

CONTACT INFO

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EDUCATION

Brown University

Sc.B.

Applied Math—Computer Science

September 2021 — May 2025

3.9 GPA

Relevant Courses:

- Honors Calculus III, Linear Algebra, Applied Ordinary & Partial Differential Equations, Statistical Inference I
- Algorithms & Data Structures, Intro to Software Engineering, Fundamentals of Computer Systems

ABOUT ME

Awards:

- Brown Consulting Club Case@Brown competition finalist
- National Merit Finalist

Interests:

- Ultimate frisbee (nationally ranked)
- Film criticism
- Hiking
- Yoga

SKILLS

Technical Skills:

- Proficient in HTML, CSS, Python, Java, ReasonML, JavaScript, TypeScript, React, C, and C++
- Expert knowledge of Git/GitHub, Microsoft Office, and Google Apps
- Experience using the command line

Languages:

- English (native fluency)
- Spanish (intermediate)