

# J. ALEX MINA

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## Education

### ***Brown University***

***August 2018 – May 2022***

- Major: Computer Science
- Relevant coursework: Introductory Computer Science, Introduction to Computer Systems, Linear Algebra, Introduction to Computer Graphics, UI/UX, Probability Computing and Data Analysis, Deep Learning, Discrete Structures/Probability, Topics in 3D Game Engines, Data Ethics and Society
- NCAA Division 1 Men's Soccer (Fall) and Men's Track and Field (Winter and Spring)
  - 30-35 hour/week commitment including travel, training, film study, meetings, competitions, and other team obligations while managing a full course load and extracurricular activities.

### ***John Champe High School***

***August 2014 – June 2018***

- On the principal's list for distinguished academic achievement and in two academic honor societies.
- Ran and placed nationally for the track team while balancing club soccer commitments and volunteer work.

## Skills

- Programming languages: C++ (highly advanced), C (advanced), Python (advanced), C# (advanced), Java (advanced), Javascript (intermediate), REACT (intermediate), Scala (intermediate), GLSL/OpenGL (advanced), OCaml (intermediate)
- Technology: Github, Microsoft Office Suite, Google Drive, Slack, extensive experience debugging

## Experience and Projects

### ***2D Game Engines Project (CSCI 1950N)***

***November 2021***

- Created a two dimensional game engine using Java.
- Coded a lighting system, sound system, and physics/collision system which can serve as a platform for game development.

### ***Head Teaching Assistant: Computer Graphics (CS1230)***

***May 2021 - January 2022***

- Communicated with the professor daily to coordinate lab hours, assign tasks, revise lectures and grade projects and labs.
- Held office hours and help sessions for over one hundred students to help with debugging and conceptual misunderstandings.
- Interviewed, hired, and trained seven teaching assistants.

### ***Self Employed: Private Tutor (Math and Computer Science)***

***June 2021 - December 2021***

- Assisted students behind in their classes to increase scores and understanding of mathematical concepts.
- Guided students' personal projects with coding (C++ and Java) as well as front and back end development (Python).