Jake Gustin

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EXPERIENCE

Boston University — *Courseware Developer*

May 2024 - August 2024

- Developed educational simulation software for a class of 300+ students with Bash, Python, and C.

Boston University — *Research Assistant*

January 2024 - May 2024

- Explored CPU energy savings in distributed workloads.
- Used Bash & Python to collect data and produce visualizations.

Boston University — *Teaching Assistant*

August 2023 - May 2024

- Led low-level programming discussions among 60 students.
- Held office hours & answered questions online for 300+ students.

Microsoft (Nuance Comm.) — *Software Engineering Intern*

June 2023 - July 2023

- Developed a proof-of-concept project with an agile sprint workflow to optimize cloud deployment procedures for clients.
- Key contributions in CI/CD and Infrastructure as Code with Azure.

EDUCATION

Boston University — *Bachelor's in Computer Science*

September 2020 - May 2024

- University & Major-Specific GPA: 3.82
- Secondary degree in Film & TV via Dual Degree Program

PROJECTS | Portfolio: https://jakegustin.github.io

LapSim — *Developed with C and Bash*

Created a "client" program to simulate lap/sector times and a server-side analysis tool to provide lap-by-lap and overall analysis.

Jade — *Developed with Python and Javascript*

Enhanced open-source software from MIT to implement autosave functionality and to make schematics compatible with autograders.

SKILLS

Proficient Languages: Bash, Python, C, Java

Familiar Languages: C#, C++, Javascript, Typescript

Tools: CI/CD, Terraform, Docker, Git, Apache Flink

Frameworks/Libraries: Pandas, NumPy, Flask, Pytest, Node.js, React.js, Tailwind CSS, Vue, Vite

Databases: Firebase, PostgreSQL, MongoDB

Cloud Platforms: Azure, AWS

AWARDS

Cum Laude (CS): GPA in the top 30% of all students in the College of Arts and Sciences

Cum Laude (Film/TV): GPA in the top 30% of all students in the College of Communication

Dean's List (3x): Exceptional academic performance across three semesters

LANGUAGES

English: Native
Spanish: Basic

REFERENCES

Available Upon Request