

Jake Gustin

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Experience

Boston University – *Courseware Developer*

May 2024 - August 2024

- Incorporated autosave and data extraction functionality to schematic design software.
- Refined course documentation to improve usability of the course's software suite.
- Contributed an assignment to the curriculum, testing core Bash and Git knowledge.

Boston University – *Research Assistant*

January 2024 - May 2024

- Explored CPU energy savings in distributed workloads using Apache Flink.
- Conducted experiments with Bash, c-states, and taskset to adjust system configuration.
- Produced high-quality visualizations of experiment results with Python and matplotlib.

Boston University – *Course/Teaching Assistant*

August 2022 - May 2024

- Led low-level programming sessions among 60 students to reinforce core concepts.
- Supported 300+ students by holding office hours and answering questions online.
- Modified course assignments and grading structures to reflect updated learning goals.

Nuance Comm. / Microsoft – *Software Engineering Intern*

June 2023 - July 2023

- Developed a proof-of-concept cloud deployment project with an agile sprint workflow.
- Automated testing and deployment procedures with Azure Pipelines and Terraform.
- Used Azure Container Apps and Docker to containerize the application's backend.

Education

Georgia Institute of Technology – *Master's in Computer Science*

August 2025 - Present

- Specialization: Computing Systems
- Relevant Courses: Real-Time Systems, Big Data Systems and Analytics

Boston University – *Bachelor's in Computer Science*

September 2020 - May 2024

- GPA: 3.82
- Relevant Courses: Advanced Software Systems, Full-Stack Application Development
- Secondary Bachelor's degree in Film & TV via Dual Degree Program

Featured Project

Jade

- Implemented autosave functionality for an improved user experience.
- Created extraction functionality to make schematics compatible with autograded.
- More Info: jakegustin.github.io

Skills

Proficient Languages: C, C++, Python, JavaScript, Bash

Familiar Languages: C#, TypeScript, Go, Rust, Java

Tools: GitHub Workflows, Terraform, Docker, Git, Apache Flink, Apache Kafka

Frameworks/Libraries: Pandas, NumPy, Flask, Pytest, Jest, Catch2, Node.js, React.js, Tailwind CSS, Vue, Vite

Databases: Firebase, PostgreSQL, MongoDB

Cloud Applications: Azure Container Apps, Azure Cosmos DB, Azure Pipelines, Azure Static Web Apps, AWS Lambda

Honors and Awards

Cum Laude (CS) @ BU

GPA in the top 30% of all graduating students in the College of Arts and Sciences.

Cum Laude (Film) @ BU

GPA in the top 30% of all graduating students in the College of Communication.

3x Dean's List @ BU

Exceptional academic performance across three semesters.