

# JACK DAVIS

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## EDUCATION

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### University of Massachusetts Boston

May 2021

*Bachelor of Science in Computer Science, Minor in Mathematics*

3.69

Honors College

### Course Work

Data Structures & Algorithms, Linear Algebra, Probability & Statistics,  
Proof Writing, Databases, Artificial Intelligence, Operating Systems

### Software & Tools

Eclipse IDE, MS Office, Git, Vim, Linux, Google Drive, Latex, Unity

### Languages

Java, SQL, Python, C & x86 Assembly, JavaScript

## PROJECTS

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### TeXume, [github.com/jack17davis/TeXume/](https://github.com/jack17davis/TeXume/)

August 2020-present

Resume class for LaTeX

*Personal Project*

I created a repository to share the **LaTeX** source code I use to generate my resume.

### Shelley Checker, [bitbucket.org/safeiot/shelley-checker/src/master/](https://bitbucket.org/safeiot/shelley-checker/src/master/)

July 2020-present

System Integration Checker

*Research associated with University of Massachusetts Boston*

Helps users to plan systems and their operations, and check for possible integration errors using automata theory. I am currently adding conditional logic into the language using **Python**.

### PyGames, [github.com/jack17davis/PyGames](https://github.com/jack17davis/PyGames)

June 2020-present

library of checkers-style games

*Personal Project*

I took a **Python** assignment from my Artificial Intelligence course and extended it a bit further. The default computer player makes use of the A\* algorithm.

## WORK EXPERIENCE

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### Software Engineering Intern

Summer 2020

*MIT Information Systems & Technology Department*

- Developed, tested, and implemented best practice logging standards for 100+ **Java** applications.
- Learned the basics of web development including how to work with APIs and HTTPS.

### Web Design Intern

January 2020-present

*UMass Boston Computer Science Department*

- Maintain both front-end and back-end of [tutoring website](#) that services the entire campus.
- Implement code changes and bug fixes in **Java**, **JavaScript**, and **mySQL**.
- Communicate directly with our customers to provide quality service.

### Teaching Assistant

September 2019-present

*UMass Boston Computer Science Department*

- Facilitate lab for CS341 Computer Architecture and Design course for 70 students by guiding them through circuit and software construction on Arduino Uno minicomputers.

### IT Lab Consultant

January 2019-December 2019

*UMass Boston IT Department*

- Maintain lab equipment, assist students and faculty with university software, and use creative solutions to identify and troubleshoot hardware issues.

## ACTIVITIES AND AWARDS

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- Eagle Scout

2017

- UMass Boston 2019 Emerging Leader Award

May 2019

- UMass Boston Track and Field Team

Fall 2017-January 2019