JACK DAVIS

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EDUCATION

University of Massachusetts Boston   May 2021
Bachelor of Science in Computer Science, Minor in Mathematics   GPA: 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

TeXume, 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/   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/   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

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.

Software Engineering Intern   June 2020 - August 2020
MIT Information Systems & Technology Department

- Developed, tested, and implemented best practice logging standards for 100+ **Java** applications.
- Investigated the possibility of using **python** and regular expressions for automated error reporting.
- Gained experience with REST APIs using **postman** and **curl**.

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

- UMass Boston 2019 Emerging Leader Award   May 2019
- UMass Boston Track and Field Team   Fall 2017-January 2019
- Eagle Scout   June 2017