JACK DAVIS

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EDUCATION

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

Shelley Checker, Research Assistant July 2020-present
[Link]
Allows users to specify systems and their operations, and checks for possible errors using automata theory. I am currently adding conditional logic into the language using **Python**.

PyGames, Personal Project June 2020-present

Small **Python** library for checkers-style games. The default computer player makes use of the A* algorithm.

WORK EXPERIENCE

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.

Software Engineering 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

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