

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, 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

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