

# 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  
Honors College

3.69

### 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

## PROJECTS

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### Shelley Checker, Research Assistant

July 2020-present

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

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### Intern

Summer 2020

*MIT IS&T 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.

### Intern

January 2020-present

*UMass Boston Computer Science Department*

- Communicate directly with our customers to provide quality service.
- Implement code changes for tutoring website that services the entire campus using **Vim**, and **MySQL**.

### 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-January 2020

*UMass Boston IT Department*

- Maintained lab equipment, assisted students and faculty with university software, and used 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