

# JACK DAVIS

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## EDUCATION

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<b>University of Massachusetts Boston</b>	May 2021
<i>Bachelor of Science in Computer Science, Minor in Mathematics</i>	3.69
Honors College	
<b>Course Work</b>	Data Structures & Algorithms, Linear Algebra, Probability & Statistics, Proof Writing, Databases, Artificial Intelligence, Operating Systems
<b>Software &amp; Tools</b>	Eclipse IDE, MS Office, Git, Vim, Linux, Google Drive, Latex, Unity
<b>Languages</b>	Java, SQL, Python, C & x86 Assembly

## PROJECTS

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<b>Shelley Checker</b> , Research Assistant	July 2020-present
<a href="#">Link</a>	
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 <b>python</b> .	
<b>PyGames</b> , Personal Project	June 2020-present
Small <b>python</b> library for checkers-style games. The default computer player makes use of the A* algorithm.	

## WORK EXPERIENCE

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<b>Intern</b>	Summer 2020
<i>MIT IS&amp;T Department</i>	
<ul style="list-style-type: none"><li>Developed, tested, and implemented best practice logging standards for 100+ <b>Java</b> applications.</li><li>Learned the basics of web development including how to work with APIs and HTTPS.</li></ul>	
<b>Intern</b>	January 2020-present
<i>UMass Boston Computer Science Department</i>	
<ul style="list-style-type: none"><li>Communicate directly with our customers to provide quality service.</li><li>Implement code changes for tutoring website that services the entire campus using <b>Vim</b>, and <b>MySQL</b>.</li></ul>	
<b>Teaching Assistant</b>	September 2019-present
<i>UMass Boston Computer Science Department</i>	
<ul style="list-style-type: none"><li>Facilitate lab for CS341 Computer Architecture and Design course for 70 students by guiding them through circuit and software construction on Arduino Uno minicomputers.</li></ul>	
<b>IT Lab Consultant</b>	January 2019-January 2020
<i>UMass Boston IT Department</i>	
<ul style="list-style-type: none"><li>Maintained lab equipment, assisted students and faculty with university software, and used creative solutions to identify and troubleshoot hardware issues.</li></ul>	

## ACTIVITIES AND AWARDS

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<ul style="list-style-type: none"><li>Eagle Scout</li></ul>	2017
<ul style="list-style-type: none"><li>UMass Boston 2019 Emerging Leader Award</li></ul>	May 2019
<ul style="list-style-type: none"><li>UMass Boston Track and Field Team</li></ul>	Fall 2017-January 2019