

# JACK DAVIS

Greater Boston Area ◊ (413) 271-4254  
[Jack17davis@gmail.com](mailto:Jack17davis@gmail.com) ◊ [linkedin.com/in/jack17davis/](https://www.linkedin.com/in/jack17davis/)

## EDUCATION

<b>University of Massachusetts Boston</b>	May 2021
<i>Bachelor of Science in Computer Science, Minor in Mathematics</i>	GPA: 3.7
Honors College	
<b>Languages</b>	Java, SQL, Python, JSP, Scheme, C
<b>Software &amp; Tools</b>	Git, Docker, Apache Airflow, Vim, Linux, LaTeX, Unity
<b>Course Work</b>	Data Structures & Algorithms, Linear Algebra, Probability & Statistics, Compilers, Databases, Artificial Intelligence, Operating Systems

## INTERNSHIPS

<b>Web Development Intern</b>	January 2020-present
<i>UMass Boston Computer Science Department</i>	
<ul style="list-style-type: none"><li>• Maintain both front-end and back-end of <a href="#">tutoring website</a> that services the entire campus.</li><li>• Implement code changes and bug fixes in <b>Java</b>, <b>JSP</b>, and <b>SQL</b>.</li><li>• Communicate directly with our customers to provide quality service.</li></ul>	
<b>Software Engineering Intern</b>	June 2020-August 2020
<i>MIT Information Systems &amp; Technology 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>• Investigated the possibility of using <b>Python</b> and regular expressions for automated error reporting.</li><li>• Gained experience with REST APIs using <b>postman</b> and <b>curl</b>.</li></ul>	

## PROJECTS

<b>Data Pipeline for US Case Law</b> , <a href="#">Project Specifications</a>	February 2021-present
ETL Data Pipeline	<i>Group Capstone Project</i>
<ul style="list-style-type: none"><li>• Extract data from <a href="#">existing repositories</a> using REST APIs.</li><li>• Automate workflow using <b>Airflow</b> and store JSON objects in <b>Mongo</b> backend.</li><li>• Communicate closely with our customer, <a href="#">Taxy.io</a> to insure compatibility with existing software.</li><li>• Design for easy deployment, by containerizing applications with <b>docker-compose</b>.</li></ul>	
<b>PyGames</b> , <a href="https://github.com/jack17davis/PyGames/">github.com/jack17davis/PyGames/</a>	June 2020-present
library of checkers-style games	<i>Personal Project</i>
<ul style="list-style-type: none"><li>• Designing a <b>Python</b> program to play variations of checkers using artificial intelligence.</li><li>• Inspired by an in-course project.</li></ul>	

## WORK EXPERIENCE

<b>Teaching Assistant</b>	September 2019-December 2020
<i>UMass Boston Computer Science Department</i>	
<ul style="list-style-type: none"><li>• Facilitated <a href="#">lab</a> for Computer Architecture and Design course for 70 students by guiding them through circuit and software construction on Arduino Uno minicomputers.</li><li>• Adapted course material to <a href="#">work online</a>, making use of hardware simulators.</li></ul>	
<b>IT Lab Consultant</b>	January 2019-December 2019
<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

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