

JACK DAVIS

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EDUCATION

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

INTERNSHIPS

Web Development Intern	January 2020-May 2021
<i>UMass Boston Computer Science Department</i>	
<ul style="list-style-type: none">• Maintained both front-end and back-end of tutoring website that services the entire campus.• Implemented code changes and bug fixes in Java, JSP, and SQL.• Communicated directly with our customers to provide quality service.	
Software Engineering Intern	June 2020-August 2020
<i>MIT Information Systems & Technology Department</i>	
<ul style="list-style-type: none">• Developed, tested, and implemented best practice logging standards for 100+ Java applications.• Investigated the possibility of using Python and regular expressions for automated error reporting.• Gained experience with REST APIs using postman and curl.	

PROJECTS

PyGames , github.com/jack17davis/PyGames/	June 2020-present
library of checkers-style games	<i>Personal Project</i>
<ul style="list-style-type: none">• Designing a Python program to play variations of checkers using artificial intelligence.• Inspired by an in-course project.	
Data Pipeline for US Case Law , github.com/drsooch/CS410-Pipeline	February 2021-May 2021
ETL Data Pipeline	<i>Group Class Project</i>
<ul style="list-style-type: none">• Extracted data from existing repositories using REST APIs.• Automated workflow using Airflow and store JSON objects in Mongo backend.• Communicated closely with our customer, Taxy.io, to insure compatibility with existing software.• Designed for easy deployment, by containerizing applications with docker-compose.	

WORK EXPERIENCE

Teaching Assistant	September 2019-December 2020
<i>UMass Boston Computer Science Department</i>	
<ul style="list-style-type: none">• Facilitated lab for Computer Architecture and Design course for 70 students by guiding them through circuit and software construction on Arduino Uno minicomputers.• Adapted course material to work online, making use of hardware simulators.	
IT Lab Consultant	January 2019-December 2019
<i>UMass Boston IT Department</i>	
<ul style="list-style-type: none">• Maintained lab equipment, assisted students and faculty with university software, and used creative solutions to identify and troubleshoot hardware issues.	

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