Joshua "Jake" Bates

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EXPERIENCE

Liberty Mutual Insurance | Boston, MA

Associate Software Engineer   July 2023 - Present
- Contributing to the initial development of an Asset Allocation tool (React/Django/Postgres), collaborating with cross-functional teams, gathering requirements, and designing scalable solutions.
- Implemented N2WS for RDS instances, ensuring data protection and seamless backup and recovery processes.

Technology Associate   July 2022 – June 2023
- Successfully completed a comprehensive four-week training program in Java, React, and SQL under Liberty's TechStart program.
- Refined the Liberty Mutual Investments Analyst Coverage Tool (React/Django/Postgres); Significantly improved operational efficiency by implementing an automated synchronization process that reduced man-hours required to track coverages across multiple third-party applications

Software Engineer Intern   May 2021 – December 2021
- Spearheaded the front-end rewrite of the Enterprise Corporate Credit Card application, leveraging React JS to enhance its user interface and user experience.
- Made significant enhancements to the Java/Spring Boot back-end of the application, implementing search functionality and resolving broken workflows, resulting in improved performance

UMass Boston | Boston, MA

PACE Intern   September 2020 – May 2021
- Played a key role within the IT Department in the successful implementation of Microsoft Teams university-wide during the challenging pandemic period, following my selection for the esteemed Professional Apprenticeship Career Experience (PACE) program at UMass Boston.
- Developed extensive training materials to empower users and gathered valuable insights from peer institutions to inform the implementation of global policies, ensuring the adoption of best practices.

Convention Data Services | Bourne, MA

Web Developer Intern   May 2019 – August 2019
- Collaborated with clients nationwide to enhance web applications by incorporating tailored business logic, enabling streamlined event registration and management processes.
- Leveraged a variety of technologies including Classic ASP, JavaScript/jQuery, and Microsoft SQL Server

PERSONAL PROJECTS

Google J-Term Final Project   January 2020
Cambridge, MA
- One of fifteen UMass Boston students selected to participate in Google J-Term, a course in Android app development at Google Cambridge. Final project was an Android app that displayed nearby social events one at a time. The user could swipe right and indicate interest in the event or swipe left to reject it

EDUCATION

University of Massachusetts Boston | Bachelor's in Computer Science, Minor in Political Science   May 2022
- GPA: 3.7/4.0, Honors: *Magna Cum Laude*
- Elected *Student Trustee*, UMass Board of Trustees 2021-2022
- Elected *Budget and Finance Committee Chairman,* Undergraduate Student Government 2020-2021
- Appointed *Undergraduate Representative*, UMass Boston Faculty Council, 2019 -2020, 2020-2021
- Chancellor's Scholarship Recipient (highest valued and most competitive merit-based scholarship for applicants)

SKILLS

- Proficient in React, JavaScript, Java, Python, Django, C, Classic ASP, PHP, HTML/CSS
- Relevant coursework: Algorithms, Data Structures, Databases, Programming in C, Artificial Intelligence, Software Engineering, Higher-Level Languages, Computation Theory, Compilers, and Computer Architecture