Matthew Gouvin

A software engineer who uses modern technologies to design, build and test software and web applications; interested in machine learning and data visualization. Searching for an internship in software engineering to gain hands-on experience with emerging technologies and to develop mentorships with experienced engineers.

Education

THE GEORGE WASHINGTON UNIVERSITY   Washington, D.C.
B.S. Computer Science. GPA 3.98.   May 2024
Relevant Coursework: Software Engineering, Database Systems, Data Structures & Algorithms.
Awards: Dean's List 2020-2022

CHARIHO HIGH SCHOOL   Wood River Junction, RI
Graduated as valedictorian with high honors.   June 2020
National Honor Society. Editor-in-Chief of school newspaper. President of the Chariho High School Chorus.

Experience

SURVICE ENGINEERING COMPANY   Belcamp, MD
Software Development Intern   May 2022 – Present
- Devised, implemented, and tested advanced features for four web applications with thousands of active users.
- Leveraged MySQL, Express, NodeJs, and Angular to respectively make database schema changes, create RESTful API endpoints, engineer useful API services, and build user-friendly components.
- Optimized application performance by reducing API call time by over 75% in some instances.
- Collaborated with team members, reviewed code daily, and worked in an agile development environment.

USABLE SECURITY AND PRIVACY LAB   Washington, D.C.
Undergraduate Research Assistant   March 2022 – May 2022
- Examined security differences between applications on the Google Play Store and applications on five third-party application stores.
- Formulated a relational database schema using MySQL to store application data collected from web-scraping tools and public APIs.
- Participated in weekly reading groups, discussion groups and scrum meetings.

THE WESTERLY SUN   Westerly, RI
Contributing Writer   July 2019 – June 2021
- Authored over 25 stories for communities in southwestern Rhode Island.
- Provided extensive reporting for stories related to education, municipal government, and local elections.
- Conducted research by interviewing community members, collecting data, and investigating points of controversy.

Technical Projects

UNIVERSITY MANAGEMENT SYSTEM
Co-Creator   Spring 2022
- Created a responsive web application that manages college applications, class registration, and academic advising.
- Designed the relational database schema, implemented it with Amazon Web Services, and utilized the database in the management of personnel and course information.

Technical Skills

Programming: Java, C, Python, JavaScript (Node.js), Typescript (Angular), SQL (MySQL, SQLite), HTML, CSS, R.
Operating Systems: Windows, MAC OS, Linux.
Web Design: Designed www.mattgouvin.me.