Matthew Gouvin

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WORK EXPERIENCE

SURVICE Engineering Company   **Belcamp, MD**
Software Developer   *January 2023 – Present*
Software Development Intern   *May 2022 – January 2023*

- Designed and developed the I2MS web application that helps over 85,000 users across Department of Defense, industry and academia receive answers to their technical inquiries and connect with subject matter experts.
- Leveraged MySQL to make relational database schema changes, created RESTful API endpoints with Node.js and Express, engineered useful server-side and client-side services, and built user-friendly components with Angular.
- Facilitated onboarding training for new team members by explaining the end-to-end workflow and helping them configure their development tools; updated documentation to reflect the current development environment.
- Regularly developed and implemented refactoring solutions that improved software design, made the code more understandable, and reduced the size of the codebase.
- Pitched solutions to technical problems that impacted the entire team, provided constructive feedback daily to team members' code, and worked in an agile development environment.

George Washington University 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 those on five third-party stores.
- Formulated a relational database schema using MySQL to store data that is collected from web-scraping tools.
- Wrote detailed documentation and provided assistance to my peers who continued the project over the summer.

The Westerly Sun   **Westerly, RI**
Contributing Writer   *July 2019 – June 2021*

- Authored over 25 stories for communities in southwestern Rhode Island and provided extensive reporting for stories about education, municipal government, and local elections.
- Conducted research by interviewing community members, collecting data, and investigating points of controversy.

EDUCATION

George Washington University   **Washington, D.C**.
B.S. Computer Science. GPA 3.97.
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.
National Honor Society. Editor-in-Chief of school newspaper. President of the Chariho High School Chorus.

PROJECTS

University Management System

- 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.

SKILLS

Languages: JavaScript, Java, C, SQL, Python   **Server-Side**: Node.js, Express
DevOps: Docker, Amazon Web Services, Git   **Client-Side**: HTML, CSS, Bootstrap, Angular