RYZESON MARAVICH

EMPLOYMENT

Solution Analyst   **Deloitte**   **June 2022-Present**
- Led the end-to-end testing of a critical healthcare component in our Enterprise Data Warehouse (EDW) solution, ensuring timely and accurate delivery of results to the client
- Created and optimized over 2,500 unique **SQL** scripts to validate complex ETL processes, Business Intelligence (BI) reports, and web service APIs
- Automated health-checks across our entire user portal using **TestNG** and **Selenium** for **Java**, saving hours of daily effort
- Effectively managed and executed over 1,500 test cases in **JIRA**, while also identifying and retesting over 300 defects
- Collaborated closely with multiple internal teams, external vendors, and end users daily to triage issues, maintain documentation, and create requirement-based test cases

Solution Summer Scholar   **Deloitte**   **May – July 2021**
- Developed an interactive **.NET** tool that enabled nontechnical members of the team to create automated UI test scripts by parsing instructions into executable **C#** code for **Selenium**
- Containerized an existing application using **Docker** and implemented version control and CI/CD tools like **GitHub** and **Bamboo** to streamline the deployment process

X-SIG Researcher   **Gettysburg College**   **May – July 2020**
- Collaborated with student colleagues to design and program an optimal AI player for the card game Gin Rummy in **Java,** placing second in the Gin Rummy EAAI Undergraduate Research Challenge
- Used **Python** and its libraries suited for data analysis to identify regressions and visualize research findings
- Presented and published an empirical research article detailing our experimentation process and results at the AAAI-21 Conference

EDUCATION

Gettysburg, PA   **Gettysburg College**   **Graduated May 2022**
- B.A. in Computer Science. Mathematics, Data Science, and Philosophy Triple Minor. GPA: 4.06
- **Honors**: Member of Pi Mu Epsilon (Math Honors Society) and Phi Beta Kappa, Computer Science Superior Scholarship Award, Dean's List 2018-2022
- **Certifications**: AWS Certified Developer – Associate (DVA-C02)

PROJECTS

AffordoMate (Capstone)
- Adapted a previously developed **JavaScript** Firefox plugin, enabling users to create flexible and reusable scripts for automated financial healthcare aid applications
- Utilized various **AWS** tools, including **API Gateway, Lambda Function,** and **Step Function** to architect **REST APIs** and implement a dynamic workflow for populating and executing Selenium scripts

Python Question Classifier (GitHub)
- Developed and fine-tuned two machine learning models in **Python** that classify Quiz Bowl questions by subject using various NLP techniques
- Collected, cleaned, and visualized test data, as well as conducted in-depth analysis of model performance
- Created a **Flask** application hosted on **Elastic Beanstalk**, providing users a platform to test the models with new inputs

LANGUAGES AND TECHNOLOGY
- **Advanced:** Java, SQL; GitHub, Selenium
- **Intermediate:** C#, Python, Git, HTML/CSS; AWS, JIRA
- **Novice:** JavaScript, Node.js, Express, .NET, PHP; Bamboo, Docker, Unity