

EMPLOYMENT

Solution Analyst	Deloitte	June 2022-Present
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- Responsible for the end-to-end testing of a component in our EDW solution, and the timely delivery of results to the client
- Tracked and executed over 1,500 test cases in **JIRA**, in addition to identifying and retesting over 300 defects
- Created and optimized over 2,500 unique **SQL** scripts to validate complex ETL processes and BI reports for millions of records
- Automated health-checks across our entire user portal and using **Selenium** for **Java**, saving hours of daily effort
- Collaborate daily with multiple internal teams and end users to triage issues, maintain documentation, and create requirement-based test cases

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

X-SIG Fellow	Gettysburg College	May – June 2020
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- Collaborated with a professor and student colleagues to design and program an optimal AI player for the card game Gin Rummy in **Java**
- Used **Python** and its libraries suited for data analysis to determine regressions and visualize our findings
- Wrote, presented, and published an empirical research article detailing our experimentation process and results as part of the AAAI-21 Conference, and placed second in the Gin Rummy EAAI Undergraduate Research Challenge

EDUCATION

Gettysburg, PA	Gettysburg College	Graduated May 2022
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- 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 to allow users to create flexible and reusable scripts that automatically apply for financial healthcare aid
- Utilized **AWS** tools such **API Gateway**, **Lambda Function**, **Step Function**, and **Elastic Container Registry** to populate and execute Selenium scripts based on API calls

Python Question Classifier ([GitHub](#))

- Created and tuned two machine learning models in **Python** to classify Quiz Bowl questions by subject using various NLP techniques
- Collected, cleaned, and visualized test data, as well as analyzed the resulting models' performances
- Developed and hosted a **Flask** application using **Elastic Beanstalk** so users could test the models with new inputs

Languages and Technologies

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