Elizabeth Fortanely

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EDUCATION

The University of Texas at Austin — Expected May 2027
M.S. Artificial Intelligence — *GPA: 3.6*

The University of Texas at Austin — Dec 2020
B.S.A. Computer Science, Minor in Studio Art — *GPA: 3.5*

EXPERIENCE

General Assembly — Sept 2024 – Oct 2024
Data Analyst — *Austin, TX*

- Completed the 'From Data to Insights with Google Cloud Specialization' on Coursera, gaining expertise in data analysis with Google Cloud BigQuery using SQL, leveraging BigQuery ML for machine learning, and creating impactful visualizations with Looker Studio
- Analyzed the NYC Citi Bike Trips dataset using BigQuery, SQL, and Looker Studio, generating visualizations that highlight transportation trends and demonstrate the significant influence of weather on Citi Bike usage, supported by quantitative correlation analysis

Snap Inc. — Feb 2021 – Aug 2022
Software Engineer — *Seattle, WA*

- Led front-end development for 'My Lenses APIs Portal' React web app by migrating legacy JavaScript to TypeScript and implementing new components
- Engineered a testing suite React web app from scratch, implementing debugging tools with JavaScript and Python/FastApi back-end routes
- Created UI mock-ups for pages using Figma and directed their successful implementation, resulting in improved platform functionality and visual appeal
- Built BI dashboards in Grafana and Looker using SQL and automated data uploads in the build pipeline with Python and Bash, enabling real-time monitoring of build artifacts
- Enhanced internal Python API integrations with GCP BigQuery by adding functionality and resolving critical bugs

Software Engineer Intern — *May 2020 – Aug 2020*

- Developed a high-performance Android CTS/VTS testing framework with a gRPC API, Go server, Google Cloud SQL database, and a React web app using JavaScript
- Containerized and deployed back-end and front-end microservices using Docker and Kubernetes

Microsoft — May 2019 – July 2019, May 2018 – Aug 2018
Software Engineer Intern — *Redmond, WA & Sunnyvale, CA*

- Developed and tested an Edge telemetry reporting setting using C# and TypeScript
- Created Power BI reports from Excel-based Intune log data, improving data analysis and reporting
- Wrote a technical spec and guided the creation of Edge feature

PROJECTS

Mitigating Positional Biases with Adversarial SQuAD | *Python, PyTorch* — Dec 2024

- Trained and evaluated a Hugging Face ELECTRA transformer model using Python, PyTorch, NLTK, and SpaCy, implementing novel adversarial data augmentation techniques on SQuAD and Adversarial SQuAD datasets
- Applied inoculation by fine-tuning to enhance model robustness against adversarial text in question-answering task
- Documented methodology and results in a research paper formatted to ACL standards

TECHNICAL SKILLS

Programming Languages: Python, JavaScript/TypeScript, Go, C++, Java
Data Analytics: SQL, PyTorch, Grafana, Looker, Pandas, NumPy, SpaCy, Scikit-Learn, Matplotlib, Jupyter
Web Development: React, GCP, REST, gRPC, HTML/CSS, Postman, Flask, FastAPI, Mocha, Selenium, Figma
CI/CD: Docker, Kubernetes