CLAIRE KINTZLEY

410-271-7532 | clairekintzley@gmail.com | claire-kintzley | 17046 W 12th Avenue, Golden, CO

EDUCATION

Colorado School of Mines

Golden, CO

M.S. in Data Science | Expected May 2025

GPA 4.0/4.0

B.S. in Computer Science | Aug 2021 - May 2024

GPA 3.93/4.0

SKILLS

Programming

Python | Java | C++ | Kotlin | R

Libraries/ Frameworks

Pandas | scikit-learn | LangChain | SpaCy

Tools/ Platforms

Git | Terraform (IaC) | AWS | Streamlit | React | PostgreSQL | Pinecone | Snowflake | Elasticsearch

---

RELEVANT COURSES

Completed

Algorithms
Data Structures (C++)
Introduction to Machine Learning
Computer Simulation
Time Series Analysis
Database Management (PostgreSQL)
Introduction to Probability
Mathematical Statistics (R)
Statistical Modeling
Programming Languages (OCaml)
Operating Systems (C)

Enrolled

Advanced Machine Learning
Linear Optimization
Spatial Statistics
Advanced Statistical Modeling

HONORS & INVOLVEMENT

- Gogo Business Aviation C-MAPP Scholar
- Association for Computing Machinery - Women
  - President | 2023 - 2024
  - Vice President | 2022 - 2023
  - Treasurer | 2024 - 2025
- Varsity Track and Field
- Society of Women Engineers

WORK EXPERIENCE

Credera

Technology Solutions Consultant Intern — Denver, CO | June – August 2024

Client: Leading Global Fast-Food Chain

- Automated AWS resource creation and tagging with Terraform, strengthening the Infrastructure as Code practices for the cloud data pipeline project
- Supported team on CI/CD pipeline work to resolve urgent production deployment complications
- Implemented AWS EventBridge rules and New Relic alerts in Terraform to enable active monitoring of system failures

Johns Hopkins University Applied Physics Laboratory

Data Scientist Intern in the Analytic Capabilities Group — Laurel, MD

June - October 2023

- Integrated GPT-4, LangChain, and Python to automate the generation of custom facilitator guides for military natural disaster war-game training simulations
- Leveraged GenAI to generate interactive dependency diagrams of military bases to model building damage effects for a natural disaster war-gaming simulation
- Implemented the Java Service Provider Interface and wrote data processors in Kotlin to develop a COVID-19 data plugin API for a time series rapid analytic visualization software

June - August 2022

- Implemented functionality for numerous time series operations within a time series rapid analytic visualization software
- Generated interactive visualizations from time series analytics using JavaFX and TornadoFX in Kotlin
- Optimized search box performance time for a document database by implementing Elasticsearch in place of MongoDB

Analytical Data Systems

Field Session Project Intern — Golden, CO | June – May 2023

- Leveraged React, Snowflake, Pinecone, SpaCy, Python, and JavaScript to develop a full-stack application for searching, tagging, and managing prompts and responses from large language model interactions

Colorado School of Mines, Computer Science Department

Teaching Assistant for Introduction to Python Programming — Golden, CO | August – December 2022

- Provided support to students by offering in-class assistance for assignments and conducting bi-weekly office hours to facilitate their understanding of programming concepts and completion of assignments

---

ACADEMIC PROJECTS

Clue Project

- Employed pair programming, test-driven development, and event-driven programming skills to design and implement a version of the Clue board game in Java

COVID Data Forecasting with Prophet

- Collaborated with a partner to implement a time series forecast in Python using Facebook's Prophet model using Pandas, Matplotlib, and Numpy
- Analyzed accuracy of prediction model over varying time spans and geographic locations using Scikit-learn tools