

## PETER FORTUNA

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[LinkedIn](#) | [Portfolio](#) | [Github](#)

### DATA ENGINEER

Experienced Data Engineer known for crafting effective data pipelines, software development, and cloud infrastructure. Currently pursuing an MS in Computer Science.

### EDUCATION & CERTIFICATIONS

**M.S. in Computer Science** | GPA: 4.00 | Arizona State University | New York, NY | August 2023 - Present  
**B.S. in Computational and Applied Mathematics** | Brigham Young University | Provo, Utah | June 2022  
**AWS Certified Cloud Practitioner** | Amazon Web Service | June 2023

### TECHNICAL SKILLS

**Languages:** Fluent in Python, Java; Experienced with C++, Linux, HTML/CSS, Git

**Platforms:** Experience with AWS, Databricks

**Databases:** Familiar with MySQL, Microsoft SQL Server, NoSQL

### WORK EXPERIENCE

**Data Engineer** | Drive Wealth | Jersey City, New Jersey | September 2022 - January 2023

- Developed an object-oriented Python library tailored to process encoded BOE and OUCH protocol financial messages, unlocking new SFTP order-flow opportunities.
- Took a central role in a successful migration from Azure SQL Database to Amazon Aurora, including comprehensive documentation and active involvement in the action plan.

**Machine Learning Research Assistant** | BYU | Provo, Utah | January 2020 - April 2022

- Elevated team productivity by 300% through the implementation of CLI and Jupyter notebook workflow automation in our computer vision projects, preserving months of effort.
- Was offered a team leadership position due to outstanding technical performance.
- Designed and deployed advanced machine learning and statistical algorithms into production.

**Data Analyst Intern** | CUNA Mutual Group | Madison, Wisconsin | June 2021 - August 2021

- Developed a database management application that decreased data processing times by 80%.
- Conducted in-depth interviews with cybersecurity experts, providing insights on security enhancement strategies, and presented findings to a panel of stakeholders.

### PROJECTS

**Generative AI Application** | October 2023 - Present

- Currently developing a React Native application with a back-end hosted in AWS.
- See project: [GitHub - Decorate AI](#)

**Competitive Programming** | August 2023 - Present

- Authored detailed explanations for dozens of algorithm and data structure challenges. Updated daily.
- See project: [GitHub - Competitive Programming](#)

**OUCH Financial Message Parser** | February 2023 - March 2023

- Published a Python library to decode trading messages on the open-source repository PyPI.
- See project: [GitHub - OUCH Financial Message Parser](#)