Tatiana Ediger

Education

2018 – 2022 **BSc in Computer Science and Mathematics**, *Northeastern University*, Boston, MA
- Honors: **GPA 4.0** | Dean's Scholarship | Dean's List
- Relevant Courses: Privacy in Statistics and Machine Learning (PhD level) | Object Oriented Design | Machine Learning | Algorithms | Adv. Linear Algebra | AI | Large-Scale Data Storage

July 2019 – Aug 2019 **Study Abroad**, *Northeastern University*, Argentina & Uruguay
- Skills: Fluent in Spanish.

Skills

Languages Python (NumPy, Pandas, Seaborn, SciKitLearn) | SQL | TypeScript | React | Java | Racket

Software GitHub | Sagemaker | S3 | Dremio | AWS Lambda | Jupyter | Ubuntu | Redis | EC2 | Nginx

Experience

April 2021 – Present **Course Designer & Instructor**, *O'Reilly Media, Inc.*, Remote
- Developed and teach courses: Introduction to Linear Algebra Next Steps, Introduction to Linear Regression, & Introduction to Calculus as part of Essential Math for Machine Learning Series
- Average overall rating of 9/10 after teaching over 400 students

July 2021 – Dec 2021 **Software Development & Data Science Co-Op**, *WHOOP*, Boston, MA
- Developed and maintained various web dashboards using React, typescript, uPlot and Flask API to monitor and visualize sensor data for different research projects.
- Wrote migrations, updated database and API to ensure de-identification of PII in data collection.
- Conducted exploratory data analysis on months of collected sensor data, and presented results to executive team at WHOOP to drive product roadmap and insights moving forward.
- Worked closely with WHOOP Labs to develop core frontend features, API and database tables for managing remote data collection, allowing for thounsands more studies collected per day.
- Deployed multiple lambda functions for integration testing APIs accessed across multiple teams.

July 2020 – Jan 2021 **Software Development Co-Op**, *PowerAdvocate*, Boston, MA
- Developed full-stack features such as building search functionality, allowing dynamic re-ordering of tabular data, and creating permissions which toggle the visibility of UI components.
- Worked closely with Product Owner to prioritize customer requests and bug reports.
- Rewrote an old ExtJS 3 dashboard in React, added new filtering and bulk exporting functionalities, built a backend for those features in Java and SQL, and maintained high test coverage.
- Led a working group to redesign the technical interview for future co-ops.

Jan 2021 – June 2021 **Research Assistant**, *Northeastern University*, Boston, MA
- Developed attacks to demonstrate privacy vulnerabilities in machine learning models.
- Using newly developed algorithm to privately solve linear regression.

Sep 2019 – June 2020 **Teaching Assistant**, *Northeastern University*, Boston, MA
- Highly rated Teaching Assistant for Northeastern's Fundamentals of Computer Science I course.
- Held office hours every week to meet students for one-on-one support in course material.

Projects

Jan 2020 – May 2021 **Ribbit**, *Aerospace NU (AIAA)*, Boston, MA
- Designed a front-end GUI for ground control of NUAV's autonomous systems.
- Built new interface for missing operators using React, automating key steps in mission setup.

Sep 2019 – Dec 2019 **Wind Energy Prediction**, *Northeastern University*, Boston, MA
- Built a machine learning model to predict power generation of a wind turbine based on environmental factors and time of day, potentially usable for power grid management.

Interests

Rock Climbing | Backpacking | Fitness | Cooking | Data Privacy | Teaching

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