Hannah Westra

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Education

University of Michigan
B.S. Computer Science
September 2014 - April 2018

Languages

Typescript
Python
C++
HTML/CSS

Technologies

ReactJS
Jest
Selenium
ReactQuery
Pandas
Numpy
Azure DevOps
Git

Experience

Microsoft, Redmond, WA—**Senior Software Engineer/Software Engineer II**
Azure ML Responsible AI
October 2022-January 2024

- Collaborated with team to maintain AzureML Responsible AI packages—AzureML's open-source offering which allows users to evaluate the fairness of the ML models
- Drove development and architecture of a system which allows users to monitor both classical ML models and large language models (LLM) performance using metrics such as Normalized Discounted Cumulative Gains (for classical models) and GPT* for generative models.
- Collaborated with principal stakeholders and provide mentorship to the team's summer intern, with the objective of enhancing AzureML's explanability features—the integration of scoring-time explanations for traditional machine learning models and the implementation of safety metrics for LLMs.
- Key contributor and maintainer to AI Studio, Azure ML's generative AI offering.

Microsoft, Redmond, WA—**Software Engineer II**
Azure ML Training Experiences
July 2020-October 2022

- Collaborated with designers, project managers, and fellow engineers to develop and maintain the training extension at ml.azure.com, Azure ML's tool to democratize machine learning
- Architected an end-to-end test framework to ensure reliable user experience.
- Orchestrated the migration to ReactQuery, replacing the service client library approach, enhancing the reliability and efficiency of data retrieval within the portal.

Microsoft, Redmond, WA— **Software Engineer II/Software Engineer I**
Automated Machine Learning
August 2018-July 2020

- Key contributor to Automated Machine Learning chart library and its corresponding test suite. The library is instrumental in allowing users to better understand and use the results of their machine learning experiments.
- Developed a system which displays actionable errors to users and collects telemetry on these errors.
- Engineered a web portal to enhance user experience and increase user success by exposing Auto ML SDK and service features.

University of Michigan, Ann Arbor, MI—**Teaching Assistant**
September 2016-May 2018

- Lead weekly lab sections for EECS 183, the Elementary Programming Concepts course.
- Hold weekly office hours to answer students' questions regarding projects and class material.
- Write and grade course exams.

Awards

Outstanding Instructional Aide

- Awarded by the University of Michigan Department of Electrical Engineering and Computer Science for work in EECS 183 course during the 2016-2017 academic year