RIKI FAMELI

rikifameli@gmail.com | linkedin.com/in/riki-fameli | github.com/r-fameli

Experience

Microsoft

Software Engineer | Azure Storage, SKU Validation | August 2023 - August 2025

- Architected and built a full-stack web application ("SKULens") through an Azure Durable Functions API and a Typescript React static web frontend to migrate away from legacy python scripts and display comparative metrics, charts, and reports related to hardware testing.
- Simplified and expedited performance analysis for new datacenter hardware, saving approximately three weeks off of a multiple months-long sign-off process.
- Led development on SKULens and onboarded multiple developers onto the project, delegating and reprioritizing tasks based on feature requests from leadership and users.
- Collaborated with other storage teams to coordinate load-testing, debugging, power testing, report creation, and performance review of several new Azure Premium SSD v2 SKUs for Azure datacenters.

Microsoft

Software Engineering Intern | Azure Storage, XStream | June 2022 - September 2022

- Developed highly customizable charting interfaces using React Typescript and Ant Design Charts to enable storage engineers to view trends and anomalies in logging metrics at a glance.

Brown University Department of Computer Science

Undergraduate Teaching Assistant | cs0111 Computing Foundations: Data | September 2021 - December 2023

- Assisted teaching staff in creating course content for an introductory course of 200+ undergraduates.
- Contributed to design and frontend of course websites, including Windows-style draggable containers and styling for course content.

Brown University Center for Computation and Visualization (CCV)

User Services Intern | February 2021 - August 2021

- Serviced over 100 tickets for creating user accounts, accessing software, updating privileges, and more.
- Developed an automation script in Python utilizing Selenium WebDriver to open a browser and assign privileges through various web interfaces.
- Worked in Linux/Unix to establish user groups and privileges for CCV's supercomputer.

Education

Brown University

Class of 2023 | A.B. Computer Science, A.I. Pathway

Projects

Image Classification 2.0: Visual Transformers

Python, numpy, Tensorflow, Keras | [*write-up*] [*poster*]

- Implemented visual classification models based on convolutional neural networks and visual transformers to compare their relative efficacy.
- Worked in a group of four and achieved an accuracy of 70% against a standard image classification library.

Skills & Interests

Programming *Typescript, React, Python, numpy, Java, SQL, Django, C, C++, R*

Software *Figma, Adobe Suite (Photoshop, Illustrator, Indesign), Azure Devops*

Cloud *Azure Static Web Apps, Azure Functions, Azure Pipelines*

Interests *Calisthenics, Wrestling, Freestyle Dance, Brazilian Jiu-Jitsu, Aerial Acrobatics, Gaming*