MELANIE **RUSH**

Boulder, CO | melanierush@live.com | melonrush.dev

EDUCATION

University of Wisconsin - Madison

BS Computer Sciences

2013 - 2017

Certificates:

- Entrepreneurship
- Digital Studies

Extracurricular:

- University of Wisconsin Marching Band and Varsity Band
- Xamarin Student Partner

University of Colorado - Boulder

Coursework in Master of Computer Sciences

2019 – 2021

- Big Data and Analytics
- Data Mining
- Human User Experience

SKILLS

Front End Development
React, Figma, User Experience
Artificial Intelligence
Cognitive APIs, Bots, OCR
Cloud Computing Tools
Azure, GitHub, DevOps
Programming Languages:
Typescript, Python, Go, C#

Personality:
Energetic, Passionate, Ambitious, Self-Motivated, Creative, Lifelong Learner

INVOLVEMENT

Speaker, Teacher, Mentor
Advocate for women in STEM.
GBBC MENTOR 2020
SPARKS HACK LEADER   2017-18
GIRLS ON THE RUN COACH 2017
PROGRAMMING TEACHER 2016

EXPERIENCE

Microsoft   Boulder, CO
Software Engineer / UX Designer 2   OCT 2018 – APR 2023
Build production applications with Microsoft's top customers to solve their most significant technical challenges on the Commercial Software Engineering Team

- Led the design of a COVID and Influenza hotspot map for a large hospital, working alongside engineers, PMs, and partner design team. Conducted user research, created prototypes and wireframes, performed accessibility testing, and educated the customer on UX fundamentals
- Contributed to the design and development of Azure Service Operators, an open-source project that enables users to deploy Azure Services from Kubernetes. Developed using Go Lang in collaboration with a global media company, car manufacturer, international bank, and AKS product group
- Developed reusable template for the broader CSE team to quickly launch new Typescript projects for prototyping REST APIs on a React application
- Led SCRUM and retrospectives. Increased collaboration by building SLA

Microsoft   Edina, MN
Data & AI Technical Specialist   JULY 2017 – OCT 2018
Assisted customers in achieving their Data and AI business objectives by utilizing Azure, SQL Server, Analytics, Cosmos DB, Bots, Cognitive Services, and Power BI

- Created an Azure functions pipeline leveraging Cosmos DB for OCR image recognition for large food company to monitor packages in transit
- Automated customer relations for large airplane company by creating a HR bot
- Increased leads for sales team by developing Big Data and Analytics PointDrive campaign which tracked customer engagement through PowerBI report
- Developed PowerBI report automating Forecasting and Hygiene for sales team

INTERNSHIPS

Wisconsin Institute of Discovery   Madison, WI
Game Developer   AUG 2016 – MAY 2017
Designed and developed virtual reality experience using C# and Unity to educate children about the Neutrino Observatory in Antarctica from NSF grant

Cuna Mutual   Madison, WI
Application Architect   SUMMER 2016
Increased developer productivity by writing PowerShell scripts automating the install of developer tools such as Visual Studio and Team Foundation Server

Blue metal Architects   Chicago, IL
Software Engineer   SUMMER 2015
Helped produce Windows application using C# for Indianapolis Motor Speedway which allowed employees to monitor available parking spaces

Microsoft   Chicago, IL
Developer Evangelist   SUMMER 2014
Engaged with the community sector, government officials, and community groups to promote Microsoft open-source technologies