BRIAN MIRABITO

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EDUCATION

Rochester Institute of Technology   Aug. 2018 - May 2023

B.S. Software Engineering

Coursework: Software Process & Product Quality, Engineering Secure Software, Cloud Software Systems

EMPLOYMENT

Lutron Electronics, Inc., *Software Engineer Co-op*, Coopersburg, PA   June 2022 - Aug. 2022

- Built a UI automation tool to facilitate test environment setup, saving 8 hours of contractor labor for each test run.
- Developed a custom firmware app for Axis cameras, leveraging their SDK to overlay dynamic text on the live camera feed.
- Created design docs and comprehensive user manuals that allowed users to understand how the software works.

Carrier Global Corp., *Software Engineer Co-op*, Syracuse, NY   Jan. 2022 - May 2022

- Redesigned module of large sales management React application, generating printable reports backed by REST APIs.
- Responsible for end-to-end system design for a new internal request tracking tool and implemented frontend in React.
- Refactor existing React components and JavaScript utilities to align with current project technical standards.

Kodak Alaris, *Software Engineer Co-op*, Remote   Jan. 2021 - May 2021

- Bootstrapped system to assist ballot counters by leveraging Kodak Alaris scanning to validate absentee ballots.
- Developed in Python utilizing PyQt5, OpenCV-Python, and PyTesseract.
- Responsible for reaching out and conducting research to adapt the software to customer demands.

PROJECTS

JayStalkers — Python & AWS   Mar. 2021

- Cloud-based machine learning application for determining when a person is jaywalking using live crosswalk footage.
- Utilized AWS tools including: S3, Rekognition, Lambda, DynamoDB, SNS, and API Gateway.
- Leveraged the AWS CDK to define project resources using infrastructure as code.

SentimentBH — Python   Feb. 2020

- Twitter bot to analyze tweets using Microsoft Azure Text Analytics.
- Measured sentiment rating to determine positive or negative connotations on trending topics.
- Visualized data into pie charts using matplotlib and automatically tweeted out the chart along with a correlating caption.

Personal Website — JavaScript   Mar. 2021

- Created a portfolio website using Node.js and React.
- Implemented custom React hooks to integrate an interactive background.
- Leveraged the Bootstrap design system to implement navigation components.

SKILLS

Python, JavaScript, HTML, Java

React, REST APIs, Jest, JUnit, Mockito

AWS, Git, Jenkins, Docker

ACTIVITIES

RIT Spikeball Club, *Executive Board Member*

RIT Esports, *Team Manager*