Samuel Patrick Birus

Address: 3714 Penn Ave Apt 2, Pittsburgh PA, 15201   Email: birus.sam@gmail.com
Phone: (412)-726-7217   Website: www.sambirus.com

Experienced full stack developer delivering innovative solutions with cutting edge technology. Specialization in front end frameworks and tools, such as React and Redux, with an eagerness to continue learning and pushing my skill set.

EXPERIENCE

RoadBotics, Pittsburgh — *Software Engineer II (May 2019 – PRESENT)*

- Lead a small engineering team over 3 months to design and implement individual road distress detection. Involved in leading code reviews, mentoring an intern, and integrating customer feedback.
- Built a full stack React application to accurately geo locate images and videos hosted in GCP. Used Google Cloud Vision to then detect text and objects in their assets.
- Created Python Flask endpoints to handle thousands of requests to upload, move, and analyze customer data to allow the operations team to increase their productivity.
- Established continuous integration platform on GitLab for building and deploying large scale applications easily to allow the engineering team to focus on building new features.
- Supported the transition of an outdated backend application to Firebase Functions for an estimated 30% quicker API calls.

Ansys Inc, Pittsburgh— *Developer/Testing Engineer Co-op*

- Built a wizard extension to ease user experience of ANSYS software via step-by-step guides.
- Developed an internal automation tool to help manage suites of tests running on various operating systems and virtual machines.
- Enhanced internal website to interact with a new REST API to display tests in a sortable table format aimed to find and fix failing tests quickly.

PERSONAL PROJECTS

Fantasy Football Power Ranking Site— *React webapp*
React application designed to munge data from ESPN's API and calculate rankings of players, teams, and trade value for any given public ESPN fantasy football league.

Automated GroupMe bot— *Heroku app*
Bot that can be added to a GroupMe chat to interact with the other users. Specifically designed to give out fantasy football reminders, trades, and updates.

Thunderstone Setup Assistant— *Android app*
Android app and console application that mimics the random selection of the board game Thunderstone to speed up setup.

SKILLS/LANGUAGES

Javascript, React, Redux, Python, Flask, SQL, Google Cloud Platform, Elasticsearch, Hasura, Mapbox, Docker

MISCELLANEOUS

Earned the rank of Eagle Scout in 2015

Study Abroad in China during the summer of 2016 focused on smartphone manufacturing and technology.

Business manager of the Pitt Handbell Ensemble during college.

Planned runs for a local run club focused on connecting rock climbers in the area.

EDUCATION

University of Pittsburgh, Pittsburgh— *Computer Engineering (August 2015 – August 2019)*