Rahul Rangith

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Skills

- **Languages/Frameworks:** Python, Java, C++, JavaScript, React**,** Node, Express, PostgreSQL
- **Technologies/Tools:** Git, Linux/Unix, Jenkins, JIRA, Arduino, Heroku

Work Experience

QA Automation Engineer — Symantec   **Apr-Aug 2018**

- Created application to aggregate and generate daily reports for Norton WiFi Privacy reviews from multiple sources using **Python**, **Natural Language Processing**, **Multiclass Logistic Regression** and **Slack API**
- Implemented daily UI tests for iOS and Android using **Jenkins**, **Swift,** and **Java** to increase code coverage by more than 50% on both platforms
- Developed script to automatically reformat and transfer Jira tickets using **Python** and **JIRA API** to transfer over 300 tickets
- Created script to test the top 100 most visited websites using **Python** and **Jenkins** to generate daily reports to ensure VPN was working as expected

Electronic Assembler (Summer Job) — Broy Engineering   **Jul-Aug 2015-2017**

- Installed firmware and tested functionality of various PCBs using supplied test jigs and multimeters
- Soldered electrical components onto PCBs and solenoids to assemble final products
- Operated SMT Pick & Place machines by loading feeders and verifying correct placement after processing

Projects

Face Recognizer | https://face-recog-rrangith.herokuapp.com/   **Feb 2018**

- Developed web application that detects a face in an image by utilizing the Clarifai API
- Built backend server using **Node** and **Express** to relay database and API calls between frontend
- Stored data in a **PostgreSQL** database to implement secure registration and sign in features
- Designed a clean and responsive UI using **React** and published final product to online hosting service

Crypto Monitor | https://github.com/rrangith/Cryptomonitor   **Nov 2017**

- Programmed an embedded system which displays up-to-date price data on a variety of cryptocurrencies, such as Bitcoin and Ethereum
- Implemented File I/O through a Binary file in order to store past price information of each currency while also saving space on Onion Omega2 microcontroller
- Wrote and compiled cross-platform **C++** code using Ubuntu virtual environment

BOM Organizer & AMS Output | https://github.com/rrangith/BOMOrganizer   **Aug 2017**

- Automated error checking and simplification of Bills of Material in Excel and CSV formats, currently saving Broy Engineering's Production Engineer an average of 5-7 hours per week
- Applied Object Oriented Design to store types of data and create an organized and user-friendly GUI
- Performed reading and writing to Excel files in **Java** by utilizing the **Apache POI API**

Hackathons

Journey | https://github.com/rrangith/Journey   **Feb 2018**

- Created interactive UI for a choice-based story game at Hack the Valley 2 using **React**
- Utilized **Git** source control to collaborate and manage development with teammates
- Connected frontend to Django backend using fetch calls to get stories from database

Safe Mapping | https://github.com/rrangith/Safe-Mapping   **Jan 2018**

- Designed frontend for web app that plans routes to avoid areas with high crime rates at Delta Hacks IV
- Integrated Google Maps API to get current location as well as desired locations

Education

University of Waterloo, *Candidate for B.ASc in Computer Engineering*   **2017-2022**

Activities and Interests

- Avid NHL follower and Leafs fan, played Ice Hockey from 2009-2017
- World Taekwondo Federation Certified Black Belt and competed in multiple sparring tournaments