

Eric Haggar

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SKILLS

PROGRAMMING LANGUAGES:

Java • Python • Go • JavaScript

TOOLS & FRAMEWORKS:

Git/Github • React • Flask • MongoDB • Firebase • Selenium

WORK EXPERIENCE

JABIL – SOFTWARE ENGINEERING INTERN | PYTHON, MONGODB

May 2019 – Aug 2019 | Ottawa, ON

- Developed a **Python** application to organize data and store it in **MongoDB** to analyze using **PowerBI**.
- Implemented **Python APIs** to interface with multiple optical instruments via **Local Area Network (LAN)**.
- Created **Desktop User Interface (UI)** features to connect, fetch data and display graphs from optical devices using **PyQt**.
- Designed a **Data Model** for collected data from production.

CURTISS-WRIGHT – SOFTWARE DEVELOPER (CO-OP) | BATCH

May 2018 – Aug 2018 | Ottawa, ON

- **Reduced** creation of bootable OS images by **70%** by developing an automated solution to modify **Kernel** configurations.
- Scripted in **bootloader** to determine register values, connected devices and allocate memory.
- Investigated device drivers to improve **Board Support Package API** testing on VxWorks RTOS.

PROJECTS

FOODSCRAPS – FOOD PRODUCERS DATA ACQUISITION TOOL | PYTHON, JAVASCRIPT, HTML, CSS

Created at CANDEV Data Challenge (2018 Winner)

- Web scraped Glassdoor and a Food Recalls database using **Selenium**.
- Developed a scoring system algorithm to determine non-compliant food companies.
- Displayed food producers' locations on a webpage using the **Google Maps API** and **Firebase**.

HEYPAL – SOCIAL MEDIA DEPRESSION DETECTION TOOL | PYTHON

Created at uOttHack II

- Performed sentimental analysis on twitter posts using the **Twitter** and **Google Cloud Natural Language** APIs.
- Created emotional analysis algorithms to detect signs of depression in a user's posts.

COPTICYOUTH.CA | REACT, FLASK, MONGODB

Rebuilding Current Website

- Developed authentication feature using **Python**, **REST API**, **JWT** and **MongoDB**.
- Designed front-end using Ant Design, a **React** UI framework.

EDUCATION

UNIVERSITY OF OTTAWA | BSC IN COMPUTER SCIENCE AND BASC IN MECHANICAL ENGINEERING

Expected Graduation Date: Dec 2019 | GPA: 3.7/4.0

- **Awards:** Dean's Honour List Award (2016-2018)
- **Relevant courses:** Computer Architecture I, Data Structures and Algorithms, Digital Systems, Discrete Math, Java, Operating Systems, Programming Paradigms, Python