Jofred Cayabyab

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Looking for a 4 to 12 month internship position for Summer 2020.

Skills

Languages: JavaScript, Java, C++, C, SQL, HTML, CSS, Python, VB.NET

Tools and Technologies: React, Redux, Node.js, Express, MySQL, Oracle, MongoDB, UiPath, Git, MATLAB

Education

University of Calgary   Sep 2017 – May 2022

• Bachelor of Science in Software Engineering   **GPA: 3.94/4**

Relevant Coursework: Data Structures and Algorithms, Principles of Software Development (OOP), Computer Organization (Assembly)

Experience

Encana Student System Analyst   May 2019 – August 2019

• Automated multiple administrative processes using **UiPath** and **FME**, saving approximately 30 hours per month of repetitive data-entry work.

• Streamlined access to asset management information by creating self-serve webpages and **Oracle PL/SQL** statements, allowing for **instant** report generation for asset managers.

• Designed multiple RPA processes using **UiPath,** including an automatic document downloader, an invoice processor, and a login checker.

Student Organization for Aerospace Research Software Developer   Sep 2018 – May 2019

• Programmed sensors and equipment on STM32 microcontrollers, such as automatic parachute deployment.

• Developed a byte-stuffing algorithm in **C,** minimizing lost data between ground systems and the rocket by reducing malformed packets.

• Developed a program for simulating ground systems signals in **Python**, allowing for easier testing and debugging of avionics software.

University of Calgary Undergraduate Researcher   Jun 2018 – Aug 2018

• Implemented a computer vision algorithm in **MATLAB** to detect imperceptible motions in video signals.

• Processed video signals from a camera feed using this algorithm, detecting motions as small as 0.025mm.

• Wrote a technical report detailing methodology and results.

Projects

datespot datespot.surge.sh   Nov 2018

• Developed a web application using the **Google Maps API** to recommend date locations to users.

Technical skills gained/improved: **React, Redux, JavaScript**

CrowdBrain crowdbrain.herokuapp.com   Aug 2018 – Sep 2018

• Developed a web application allowing interaction between developers and their userbase through a project sharing interface.

• Implemented an **Express** RESTful API Allows users to provide feedback on shared project features through commenting, handled through a RESTful API implemented with **Express**.

• Implemented seamless user login through **Google OAuth** and **Passport.js**.

Technical skills gained/improved: **MongoDB, Node.js, Express, React, Redux**