


Callum Haugen

Availability: 4 or 8 months

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Experience

Programmer Analyst, May 2021 - September 2021

Public Service Canada

- Updated and maintained important SQL databases when new data was obtained and created reports for clients in order to visualize and synthesize data
- Leveraged multiple enterprise applications to create user facing and internal data sheets and dashboards to help understand client needs

Junior Computer Scientist, September 2020 - December 2020

Communications Research Canada

- Built GUI interface for an underlying command line style MatLab application enabling a more user-friendly interface allowing normal users to use the application
- Automated testing of GUI using python scripts in order to quickly and thoroughly test functionality of the program

Incident Coordinator, May 2020 - August 2020

Shared Services Canada

- Enabled communication between IT and stakeholders of vital infrastructure that resulted in the repairs being completed rapidly and thoroughly
- Ensured that IT department began repairs within 30 minutes for vital IT Infrastructure and documented steps taken

Teaching Assistant, August 2019

Carleton University

- Presented important math concepts to incoming first year students using sample problems and class tutorials resulting in a 45% increase in mock test scores
- Managed an in person class of 25 students both as a class and 1-on-1 to keep them on task and helping the with math concepts

Projects

Homebridge - Raspberry Pi project

- Implemented Homebridge github project on a raspberry pi to enable compatibility between Apple homekit and non homekit supported devices
- Used smart home company's APIs to configure homebridge to communicate with three different smart home platforms

Education

Carleton University, Ottawa, ON

4th year Undergraduate,
Bachelor of Computer Science
Honours, concentration in
Software Engineering

Minor in Political Science

Deans' Honour List Student
10.86 GPA (A-)

Expected Graduation April 2023

Extracurriculars

Science Student Success Centre

- Took on a mentorship role for incoming first year science students

CUHacking

- Worked with a team to develop a small program in a limited amount of time

Carleton Intramural Basketball

Languages

C++, C, Java, Python, JavaScript,
HTML, CSS, SQL, NoSQL,
Scheme, MatLab

Concepts and Skills

Web concepts, REST APIs,
memory management, data
structures, design patterns,
database design and
maintenance, GIT collaboration,
client-server relationship, OOP,
functional programming, cloud
computing (Google Cloud),
Linux/Unix shells