

ERIC BILAVER

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SKILLS

Languages/Frameworks: JavaScript, Python, React Native, React.js, Bash, C++, HTML, CSS/SCSS

Technologies: Figma, Sketch, Jira, Office, SQL, Linux GNU, Git, LTSpice, nRF Connect, VS Code

Interests: Guitar, Hockey, Soccer, Ultimate Frisbee

WORK EXPERIENCE

AHEAD SIMULATIONS – Cambridge, Ontario

Developer Intern

May 2021 - Aug 2021

- Designed and implemented **Vue components** connected to a **Flask API**, as well as **Python** scripts for an audiology training platform
- Soldered SMD components and collaborated with team members to test various PCB boards
- Wrote documentation and workflows for hardware, software, boot protocols, and for future interns
- Contributed to software production planning and project management for future product launch

MERO TECHNOLOGIES – Toronto, Ontario

Senior Implementation Specialist

Aug 2020 - Dec 2020

Junior Implementation Specialist

Feb 2020 - Apr 2020

- Coordinated and managed product deployment of **1500 sensors** in buildings across Canada and the United Kingdom
- Performed QA on over 200 IoT LoRa receivers using the Arduino IDE to assist in product rollout
- Produced bi-weekly and quarterly client-facing business reports in **Figma**, met with extremely positive feedback on design

PROJECTS & ACCOMPLISHMENTS

DELTAHACKS 2021 (QUIL) – Hamilton, Ontario

Mar 2021

- Developed a functioning multi-page **React.js** site with a **CKEditor** for tracking user-input and improving user experience
- Created an "all-in-one" project manager, to-do list, and effective note-taking software/productivity app

HACK THE NORTH 2020 (VIDEOGYM) – Waterloo, Ontario

Jan 2021

- Created an exercise-focused social media site with **JavaScript**, **(S)CSS**, and **HTML** in response to COVID-19 limitations ("VideoGym") over a 36-hour period
- Implemented the Vonage Video API to create a global video calling system; received positive feedback from official Vonage representative

ECOO PROGRAMMING CONTEST – Georgetown, Ontario

May 2019

- Collaborated with 3 team members to place **first in the Halton region** by programming solutions to complex computational problems
- Experimented finding efficient solutions to various NP-Hard problems using **Python** and **JavaScript**

RASPBERRY PI GOOGLE ASSISTANT – Burlington, Ontario

Jan 2018

- Implemented a working model of the **Google Assistant API** into a **Raspberry Pi** with working microphone, speaker, and visual display peripherals to create an ultra-cost-effective "Google Nest Hub"

VOLUNTEER EXPERIENCE

S.T.E.A.M. (STEM & ARTS) CLUB – Burlington, Ontario

Sept 2017 - Jun 2019

- Independently created webpages using **HTML**, **JavaScript**, and **CSS** to advertise the school's S.T.E.A.M. programs, initiatives, and show real-time data from the **IoT-connected greenhouse**

EDUCATION

UNIVERSITY OF WATERLOO – Waterloo, Ontario

Sept 2019-Present

Bachelor of Applied Science, Computer Engineering