Cameron Beneteau

✉ beneteac@mcmaster.ca ▫ +1 (226) 350-6170 in https://www.linkedin.com/in/cameronbeneteau ☁ https://cameronbeneteau.github.io

SUMMARY

Mechatronics Engineering and Management student at McMaster University, graduating in 2025. 2 years of Software Development internship experience with skills in **Full Stack Development**, **CI/CD Pipelines**, and hardware experience from coursework in **Real-Time Embedded Systems** and **Microcontrollers**. Committed to driving innovation and adding value to the end goal with a proven ability to **translate business needs into attainable technical objectives**.

SKILLS

Programming: C++/C/C#, Python, MATLAB (Simulink), Verilog, Java, JavaScript, TypeScript, SQL, HTML/CSS

Tools & Frameworks: Git, GitHub Actions, Jira, Angular, React, Amazon Web Services, OpenAPI, Node.Js, NestJS, Docker, Selenium, Jest

Software Concepts: Full Stack Development, APIs, Cloud Computing, Data Structures & Algorithms, Object-Oriented Programming (OOP, OOD)

Hardware: STM32 MCU, Cyclone V (SoC FPGA), Arduino, Raspberry Pi, Circuits, Intel Quartus Prime

Hardware Concepts: Real-Time Embedded Systems, Microcontrollers, ASIC Design, DSP, HW/SW Codesign, Debugging, Integration, Testing

EXPERIENCE

Software Developer Intern
Caseware   September 2022 - August 2023, Toronto, ON
· Owned development of a feature flag library with Angular, NestJS, and DynamoDB, allowing developers to seamlessly toggle software features, **improving deployment flexibility and mitigating risks with downtime**, outages and on-call bug fixing.
· Created streamlined Windows and Mac setup scripts for local developer environments, **reducing onboarding time by 99%**.
· Reduced **pipeline wait times from 10 minutes to 10 seconds**, cutting GitHub runner costs and boosting developer productivity.
· Built, tested and debugged new UI library components with accessibility support, **improving usability and compliance**.

Software Developer Intern
Royal Bank of Canada (RBC)   May 2022 - August 2022, Toronto, ON
· Won 1st place in an intern algorithmic trading competition using Python and Backtrader by creating a winning algorithm and presentation.
· Enhanced full stack features using JavaScript and jQuery, producing website engagement to **over 5000 page views daily**.
· Modified back-end processes, resulting in a **50% reduction in time** spent on publishing tasks for authors and developers.
· Developed front-end web components using HTML, CSS, and Bootstrap, improving website performance and user experience.

Software Developer Intern
CenterLine (Windsor) Limited   May 2021 - August 2021, Windsor, ON
· Revamped ordering application using React and TypeScript, **improving efficiency and scalability for over 1000 orders daily**.
· Optimized back-end queue processes using SQL and Visual Basic, decreasing user wait times from **hours to seconds**.
· Engineered REST APIs to extract data in an efficient manner, improving user experience and data visualization techniques.

PROJECTS

Automated Lead Generation Tool
Personal Project · May 2021 - Present
· Created a Python and Selenium tool automating outreach and lead generation of LinkedIn professionals, **totaling over 10,000 proposal submissions, daily time savings of 2 hours, and $XX,XXX in generated client revenue**.
· Integrated AWS DynamoDB, EC2, and CloudWatch to **drive scalability, optimize performance**, and streamline monitoring.
· **Translated client feedback into tangible enhancements**, including improved analytics, personalized messages, and refined filters.

Automated Line Following Robot
Vincent Massey Secondary School · https://github.com/cameronbeneteau/line-following-robot · January 2019 - July 2019
· **Autonomous real-time embedded system** using an Arduino Uno microcontroller and various sensors designed to follow a black line.
· Designed and implemented **C++ control algorithms that interfaced with hardware sensors** (Ultrasonic, QTR, Servo) to control the vehicle.

LEADERSHIP

Project Manager
McMaster University · McMaster Rocketry Team · September 2021 - April 2022
· Led efforts of 50+ team members across 6 sub teams, facilitating project integration and **prompt resolution of challenges**.
· **Managed $XX,XXX budget**, designed timelines, and oversaw manufacturing, ensuring rocket completion for 2 launch competitions.

Attendee Relations Executive
McMaster University · DeltaHacks Hackathon · September 2020 - April 2021
· **Evaluated over 200 applications** and curated a dynamic 2-day schedule, including diverse activities for 800+ attendees.
· Managed Discord setup and coordination of over 25 workshops, 5 meetups, 10 activities, and 10 virtual judging rooms.

EDUCATION

Mechatronics Engineering & Management (B.Eng.Management)
McMaster University · Hamilton, ON · 2025 · 4.0