Aiden Stevenson Bradwell

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Education

09/2018 – 12/2022
Ottawa, Canada

BSc Major in Computer Science, Major in Psychology
University of Ottawa
Graduated w/ distinctions from the Faculty of Engineering

Professional Experience

03/2020 – 12/2023
Ottawa, Canada

Freelance Website Developer
Discover Year // MentorU
Gained experience in the start-up environment by working alongside various small companies in Ottawa, Canada while maintaining and expanding their company websites.

05/2022 – 09/2022
Ottawa, Canada

Website Development
Fisheries and Oceans Canada
Led team in designing and implementing a fullstack web-app for the Canadian Government. HTML5, CSS, Javascript/Jquery, and Bootstrap were used alongside Spring+Java to create functional REST controllers utilizing a Thymeleaf template generator.

01/2021 – 08/2021
Kanata, Canada

Embedded Software Developer
Microchip Incorporated
Oversaw project design, delivery schedule, and implementation with complete creative control throughout the development process of the next generation of a timing-chip automated testing platform.

05/2020 – 08/2020
Ottawa, Canada

Student Computer Vision Researcher
National Research Council of Canada
Functioned as a member of a team researching cognitive decay in the elderly, implementing OpenCV, DLIB landmarks, and Convolutional Neural Networks's to track the eye movements and gaze accuracy with RGB webcam based activities.

Skills

Programming Languages
Python, Java, Golang, Prolog, Racket, C++, Scheme, OCaml, HTML, Git, tcl, Google Firebase, Android Studio, Linux OS, Confluence, SQL

Previous Experience
OpenCV, TKinter, RobotFramework, PyGPIB, Tensorflow, Thymeleaf, Spring, REST, Public Speaking, System Design, Team Management, Full Stack Development, Web Development

Recent Projects

Complex Image Number Recognition
Convolutional Neural Network to isolate and identify numbers within an image
Using Python, TensorFlow, Neural Networks, OpenCV, Python Graphics, CLI

Walk-In-Clinic Efficiency Simulation
Mathematical simulation to optimize patient throughput with consideration of doctor efficiency, scheudling, and patient management.
Using Java, Simulational Queue Principles, Statistics, Real World Data Processing, Data Science Principles