Aiden Bradwell

AidenBradwell@gmail.com

(226) 345-4191 Github.com/ABradwell linkedin.com/in/aiden-bradwell abradwell.github.io

Summary of Qualifications

- Fourth year Computer Science & Psychology student at the University of Ottawa, Ottawa, Ontario, Canada.
- 1 year in-field experience split between the computer vision & embedded microchip programming fields.
- Reliability and forward thinking honed through a $3,000 government entrepreneurship grant
- High energy worker willing to put pride and effort into their work

Education

University of Ottawa

- Honours Bachelor of Science,
- Dual major in Computer Science and Psychology
- Expected graduation date: December 2022
- GPA: 8.9/10

Ontario Secondary School Diploma

- General Amherst Highschool, Amherstburg, ON
- Valedictorian
- Founder & Head of Yearbook Committee
- Head of Tech Team

Skills

Programming Languages

Proficiencies in: Python, HTML5, CSS3, Java, Golang, Prolog, Racket, C++, Scheme, Google Firebase, Git, tcl, Android Studio, Linux OS, Confluence & SQL

Familiar Packages: OpenCV, TKinter, Robot Framework, PyGPIB, Tensorflow

Professionally Experienced Fields

Webcam-based eye tracking and processing, PyGame UI interfacing, Architecture design & implementation, Agile Confluence workflow & processes, embedded programming for timing-microchips

Personal Projects

Complex Image Number Recognition

TensorFlow neural network to recognize numbers from a large, complex, and colorful image set. Implements advanced image preprocessing methods in TKinkter, OpenCV, & Python3

Automated Snake Game

Python-based automated snake game, where the snake controls itself to play the popular game "Snake"

HTML/CSS Hand coded site

Personal site hand-coded with HTML and CSS, hosted through Abradwell.github.io via GitHub Pages. Full HTML code can be found on GitHub.

Employment History

Embedded Software Developer

Microchip Incorporated, Kanata, Ontario

January 2021 - August 2021

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.

Student Researcher

National Research Council of Canada

May 2020 - August 2020

Computer Vision & Graphics Team, working with OpenCV-Python, with intentions of tracking eye movements in early-detection of Alzheimer's disease

Full List of Employment found on LinkedIn