

Forewertst Anderson

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LINKS

Github:// [AngelOnFira](#)
LinkedIn:// [forest-anderson](#)

EDUCATION

CARLETON UNIVERSITY
BCS IN COMPUTER SCIENCE
Expected April 2019

SKILLS

LANGUAGES:

C++ • C • C# • Python • Ruby
JavaScript • Java • Rust • Basic

FRAMEWORKS:

Ruby On Rails • Meteor • Flask
Node.js

SECURITY TOOLS:

Nmap • Burpsuite • SqlMap
Metasploit • Wireshark

TECHNOLOGIES:

SQL • MongoDB • AWS • Docker
Heroku • Jupyter • Jekyll

LIBRARIES:

OpenCV • OpenGL • SFML

VOLUNTEER

**CARLETON COMPUTER SCIENCE
SOCIETY | 2015 - PRESENT**

- VP Academics

**HACK ALL THE THINGS | APR 2018 -
PRESENT**

- Co-lead

**HACK.CARLETON | APR 2016 -
PRESENT**

- President

LAME JAM | NOV 2017

- Co-lead

EXPERIENCE

SCHOLARPRO | FULL STACK DEVELOPER

Dec 2017 – Feb 2018 | Ottawa, ON

- Worked on a website to match students with applicable scholarships
- Used the **Meteor** framework for **Node.js** to build the site
- Created and managed a **MongoDB** database that holds the scholarships

CHEO | RESEARCH STUDENT

July 2017 – Aug 2017 | Ottawa, ON

- Worked with the Pathology lab to create cross sections of procedurally generated models of the placenta
- Used **C++** and **OpenGL** to create the cross sections

GIGL | RESEARCH STUDENT

May 2016 – Aug 2016 | Ottawa, ON

- Created a pebble mosaic filter for digital photos
- Wrote the pipeline in **C++**, made use of **OpenCV** to manage and process the images

PROJECTS

MIRACLE MERCHANT AI Jan 2018 - April 2018

- An AI created for the mobile game "Miracle Merchant"
- Created in **Python** with data visualization done using **Plotly** and **Jupyter Notebook**
- Of 5000 tests, the median score was better than most experienced players, and seven tests resulted in scores higher than the global high score
- Wrote a paper to detail my process and results

CUHACKING APP Sept 2017 - Dec 2017

- An app created for use at Carleton's Hackathon
- Helps participants navigate around the university as well as stay in contact with the organizers
- Created and managed the database, which was built with **Ruby on Rails**. The database is stored on **Heroku**
- Worked as the backend developer on a four-person team

COURSE SELECTION TOOL April 2017 - Present

- A tool for students to create timetables for their courses at Carleton University.
- The website backend is built with **Flask**, and the course web scraper is built using **Ruby**. The courses are stored in a **MongoDB** database. The site is hosted on **AWS**.

COMPETITIONS

2018	2nd	Hack All The Things 2.0
2018	2nd	OWASP CTF
2017	1st	Hack All The Things 1.0