

ANTHONY D. ROBERTS

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EMPLOYMENT

Irdeto

Software Developer (COOP)

May 2018 – August 2018

Ottawa, ON

- Automated setup for the Cloakware Software Protection suite using Perl, resulting in a highly streamlined and efficient installation process for customers and internal developers
- Developed and assisted in the design of a Python configuration module for a C/C++ compiler wrapper which allowed for compilation customization as well as increased usage logging capability
- Adapted C/C++ compiler wrapper to allow for conformance validation of transcoded source code (Perennial Test Cases)
- Co-designed and developed a demo iOS banking mobile application to be obfuscated as a training demo for customers and new developers
- Familiarized myself with the Agile software development life cycle, as well as gained exposure to key development concepts like revision control, regression testing, and more

SKILLS

- Languages: C/C++, Python, Java, Perl, Javascript
- Frameworks & Libraries: ReactJS, Node.js, HTML/CSS, QT, Django
- Tools & Environments: UNIX/Linux, Git, Google Cloud, MySQL, OpenStack

PROJECTS

Browser Buddies

Full-Stack Chrome Extension

Can be found at: bit.ly/2HYLerU

An ongoing Google Cloud Platform based project created at the cuHacking hackathon, featuring seamless collaborative browsing via tab and bookmark sharing: Angular, Node.js, GCP, MySQL

cuACS

C++ Application

Currently private (Expected release May 2019)

Large 4 person project featuring a fully fleshed out client-pet matching system, login/account management, intuitive GUI, and persistent storage: C++, QT, SQLite

Minesweeper

React & Django Web Application

Hosted on Heroku at: bit.ly/2uNcMb6

Classic Minesweeper game which features saved game states that can be accessed via a game ID, as well as a client-server set up to prevent cheating: ReactJS, Django, PostgreSQL

Data Structures Quiz

Android Application

Can be found on the play store at: bit.ly/2CWDWAP

An Android quiz game featuring trivia on data structures for studying, built with a focus on implementing an easily extendable question bank: Java, Android Studio, XML and Layout Editor

EDUCATION

Carleton University

BS Computer Science | Minor in Psychology

September 2015 – May 2019 (Expected)

Ottawa, ON