

# FRANCISCO TRINDADE

RECENT-GRAD FROM UNIVERSITY OF OTTAWA | FULL-STACK DEVELOPER / SECURITY

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## > SUMMARY

Recent-Grad from the University of Ottawa. Specializing in web full stack, and application/web security. I have experience in Node.js and other web frameworks, regularly attend CTFs to improve my application and web security skills and have a large focus with Python. Graduating with work experience from both the private and public sector, excited to get into work, and building something great.

## > EMPLOYMENT

May 2018 to Dec. 2018

**Raven Telemetry** · Software Developer Intern

- Built in-house software to increase workflow in both intra-company communications and for customers
- Developed software to automate deployment processes and automating tasks for quick turn around for customers
- Proposed and executed new systems to handle information pertaining to unique aspects for consumers
- Worked mainly in Python, JS, Shell scripting for the tasks at hand

Jan. 2017 to Apr. 2017, Aug. 2017 to Dec. 2017

**Bank of Canada** · Web Developer Intern

- Maintained, fixed bugs, developed and applied improvements to 5 Bank of Canada websites
- Developed a plugin to a charting software providing the end-user with increased flexibility of desired data to be viewed
- Improved, developed and tested several plugins on the back-end to improve site performance
- Suggested and implemented many workflow improvements to the internal AGILE process at the Bank

June 2016 to Sept. 2016

**Coriant** · Software Developer Intern

- Developed in-house features to JIRA to improve the life-cycle of tasks and to better reflect progress to managers
- With the feedback collected from system users, applied fixes and improvements
- Re-worked the code base which enabled increased simplicity and consistency

## > EDUCATION

2019

University of Ottawa  
Honours BSc. Computer Science

## > SKILLS

**SOFTWARE LANGUAGES**

Javascript, Python, PHP, BASH, Java

**TECHNOLOGIES**

CSS3, HTML5, LESS, PostgreSQL, MySQL, RESTful APIs, MongoDB, PyENV, SASS/SCSS

**FRAMEWORKS & LIBRARIES**

Node.js, jQuery, WordPress, ExpressJS

**TOOLS**

SVN, Git, Visual Studio, SQLYog, PHPMyAdmin, ANT, Gulp, PHPStorm, Jira, Kali Tools, Docker, AWS, Burbsuite, Kali Toolset

**ENVIRONMENTS**

Linux, Windows, Kali, VIM

**METHODS**

AGILE, Regression Testing, Unit Testing, Test Driven Development

## > PROJECTS

Current

**Salty Bot**

A Chrome Extension and back-end web server that will automatically gather data, analyze data, suggest appropriate betting for the stream SaltyBet. Which is a M.U.G.E.N fighting game where two fighters fight each other controlled by computers.

**Extension to Privacy Bird**

A Chrome extension to test out the possibilities of working with Identity-based Encryption. To promote a structured P3P-like format for websites to use and allow users to determine whether or not they approve of the current policies of the website from a quick glance.

**Selectable Chart**

A plugin developed into the AmCharts.js library to facilitate, with great ease, the addition or removal of series from a graph.

**Networked Web VR Application**

Developed a networked web VR application using Node. This application would allow two players to play a "Maze Escape" game, one in VR the other from the desktop.

**Restaurant Locator**

Developed at DeCode 2016 Hackathon, the Node.js application queries the TripAdvisor RESTful API to look for all Ottawa based restaurants. Then display them on the map with an option for the user to sort by key words. The data is stored in Elastic to allow for quick searching.

**Movie Recommendation Database**

A Node.js web application that allows the user to search for movies then display its details, also recommend related titles. It pulls this information from two different RESTful APIs and stores the information into a PostgreSQL database.