

James Reeve

SOFTWARE ENGINEERING STUDENT

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Education

McMaster University

CANDIDATE FOR B.ENG. IN SOFTWARE ENGINEERING ENGINEERING (3.45 GPA)

Hamilton, Ontario

September 2014 - April 2018

Experience

Neelands Refrigeration Ltd.

FULL STACK DEVELOPER, INTERN

Burlington, Ontario

May 2016 - August 2016

- Designed and developed store management software that lead to securing a million-dollar contract with a fortune-500 company. The software will be deployed in over 500 store across North America over the next 2 years.
- Developed a robust Python script for reading, categorizing, and database storage of serial communications from microprocessor-based control systems used in monitoring refrigeration equipment at client stores.
- Designed and created MySQL databases, triggers, and stored procedures to hold, update, and retrieve store data, user information, event logs, and system alerts for refrigeration equipment at client stores.
- Designed and implemented a Node.js application to provide clients with a web interface for monitoring their store's status and system alerts.
- Developed a user-friendly store map interface for viewing the store's status at a glance, and a detailed configuration menu for technicians to configure stores.
- Technologies used: **Linux, Python, Node.js, MySQL, JavaScript, HTML/CSS**

Selected Projects

Crossword Generator API

SOLE DEVELOPER

Winter 2017

A REST API / web service that takes a list of words and generates a full crossword puzzle, complete with hints. Technologies used:

Node.js, Express, Firebase.

Android Anonymous Chatrooms Application

SOLE DEVELOPER

Fall 2016

A lightweight android application that allows users to create, join, and chat anonymously in chatrooms using a roomcode system.

Technologies used: **Java, Android Studio, Firebase.**

WebCap

DEVELOPER ON A TEAM OF 2

Fall 2016

A Google Chrome extension that allows users to capture the full content of a web page (including off-screen content) with a single click. Emphasis was placed on formal documentation of the project, including Volere requirements specifications, module documentation, and test reports. Technologies used: **LaTeX, Google Chrome API, JavaScript, HTML/CSS.**

View my other projects at <https://github.com/reevejd>

Skills

Programming Languages Python, Java, Node.js/Javascript, SQL

Tools Git, Visual Studio, Eclipse, Bash

Additional Experience and Awards

- 2016 **3rd Place**, McMaster IEEE sponsored programming competition
- 2016 **Participant**, HackTheNorth, YHack, HackHarvard
- Co-Author and Research Assistant**, *High Yielding Preparation of Dicarba-closo-dodecaboranes Using a Silver(I) Mediated Dehydrogenative Alkyne-Insertion Reaction* (published in the Journal of Inorganic Chemistry)