James **Reeve**

SOFTWARE ENGINEERING STUDENT

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Education

McMaster University   *Hamilton, Ontario*

CANDIDATE FOR B.ENG. IN SOFTWARE ENGINEERING WITH CO-OP (3.45 GPA)   *September 2014 - April 2018*

Experience

Neelands Refrigeration Ltd.   *Burlington, Ontario*

FULL STACK DEVELOPER, INTERN   *May 2016 - August 2016*

- Designed and developed store management software that led 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 tables, 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

TECHNOLOGIES USED: **NODE.JS**, **EXPRESS**, **FIREBASE**.   *Winter 2017*

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

Android Anonymous Chatrooms Application

TECHNOLOGIES USED: **JAVA**, **ANDROID STUDIO**, **FIREBASE**.   *Fall 2016*

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

WebCap

TECHNOLOGIES USED: **LATEX**, **GOOGLE CHROME API**, **JAVASCRIPT**, **HTML/CSS**.   *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.

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*

2013   *Using a Silver(I) Mediated Dehydrogenative Alkyne-Insertion Reaction* (published in the Journal of Inorganic Chemistry)