Hello,

My name is Jack Hu.

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Skills

Languages: Java, Python, C/C++, JavaScript/TypeScript, HTML, CSS
Technologies: Git, Node.js, React, React Native, Electron.js, Firebase, MongoDB

Experience

Junior Software Engineer   Pin'd Inc.

Jul 2019 - Nov 2019   Toronto, ON
- Developed venue description pages of a social media app using **React Native** and **Firebase**
- Created the database schema for venues
- Designed data upload tool using **HTML, JavaScript** and **Firebase**
- Implemented cloud functions for database maintenance using **TypeScript** and **Python**
- Archived data from Cloud Firestore using **MongoDB** in order to reduce costs by 10-20% depending on users

President   The Scrunchie Company

Oct 2018 – Mar 2019   Calgary, AB
President of The Scrunchie Company, a Junior Achievement company
- Planned and organized board meetings, communicated information to shareholders
- Finished program with a **return on investment of 200%** after **donating 50%** revenue to charity

Projects

Flex Smart Mirror

Oct 2019 - Dec 2019
- Implemented a user interface for a Smart Mirror using **React.js** and **Electron.js**
- Used an **OpenCV**-based facial recognition system to authenticate the owner
- Implemented the **IBM Watson API** to create an assistant with a trigger word

Alien Tax Utility

Jul 2018 - Feb 2019
Assists property-owning American foreign nationals in filing tax returns by automatically filling out forms using a spreadsheet template.
- Used **Apache Spreadsheet API** to read multiple data types and sheets from one workbook
- Utilized **Apache PDF API** to automatically classify input data and output to automatically downloaded PDF files

Education

Candidate for Bachelors of Software Engineering (BSE)
University of Waterloo

Relevant Courses: Programming Principles in C, Methods of Software Engineering, Introduction to Data Abstraction and Implementation