

Evan He

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SKILLS

PROGRAMMING

Languages:

C\C++ • Java • Python • JavaScript
Ruby • HTML&CSS • Scala • SQL
Shell • Scheme

Frameworks:

Vue.js • React • Angular.js • Node.js
Express • MySQL • MongoDB
PostgreSQL • Android

Tools:

IntelliJ IDEA • Webstorm • PyCharm
Android Studio • Visual Studio • Vim

Operating Systems:

Windows 10 • Linux Ubuntu • MacOS

EDUCATION

UNIVERSITY OF WATERLOO

CANDIDATE FOR BACHELOR IN
COMPUTER SCIENCE

Term 4A | Expected Dec 2019

LINKS

Github: <http://github.com/X9He>

LinkedIn:

<https://www.linkedin.com/in/evan-he-71240a94>

COURSEWORK

UNDERGRADUATE

Artificial Intelligence
Networks
Database Management
Numeric Computation
User Interface
Operating Systems
Algorithms
Data Structures

VOLUNTEERING

As a hardware technician, assembled and troubleshooted hardware independently, by self-teaching and problem solving

EXPERIENCE

FRESHII | FULL STACK DEVELOPER

Jan 2019 – April 2019 | Toronto, Canada

- Improved business analytics by implementing data aggregation from mix panel click tracking, Facebook pixel, mailchimp to be stored on Google BigQuery, increased retention rate by 31%
- Created new franchising page, login modals and cookie bar and unit tests with Vue.js and Jest for Freshii.com
- Improved Freshii SEO strategies by implementing structured data, site maps and meaningful URL naming to Freshii.com

MUNCHTIME | FULL STACK DEVELOPER (PART TIME)

Feb 2018 – Oct 2018 | Waterloo, Canada

- Created page for drivers to accept/refuse new orders and monitor status of accept orders
- Created page to display business statistics by querying MongoDB and aggregating results based on user requirements
- Improved delivery history page loading time by 20% by implementing pagination
- Added cron jobs in back-end to reset food delivery status in case of timeout

HUAWEI TECHNOLOGIES | ANDROID DEVELOPER

June 2017 – Sep 2017 | Wuhan, China

- Sped up XML conversion time between different languages from two days to two hours by implementing a XML parser and converter using Java and Swing
- Added support for right to left languages for internal android application
- Conducted code reviews and fixed bugs such as cyclomatic complexity, multi-threaded correctness, and malicious code vulnerabilities

PROJECTS

MESSANGER | ANDROID/JAVA, FIREBASE, PYTHON, TENSORFLOW

- Android app where users can register, add and chat with other users or a chatbot
- Chatbot trained by using Tensorflow's seq-to-seq model and Reddit comments as training data

ROAD TRIP PLANNER | REACT, RAILS, POSTGRESQL, GRAPHQL

- Plans out the most efficient daily trip schedule given a list of locations, mode of transportation and other preferences
- Trips take in consideration of travel time, business hours and traffic of the routes
- Web scrapper scrapes for business hours given a location or name

DOODLE BOARD | JAVA

- Created a Paint clone with java & Swing where doodles are recorded in real time supporting playback, skipping, and seeking

DUNGEON CRAWLER | C++

- Terminal-based dungeon crawler with random monster and item generation