


TYLER LIU

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Computer Engineering
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 tyler-liu.com

 TylerLiu42

Summary

- Experienced in **Java, C++**, and **Object-Oriented Design**
- Mobile app development experience with **React Native**
- Proficient in **REST API** development with **Node.js/Express**
- Familiar with web development through projects built with **HTML/CSS** and **JavaScript**
- Comprehensive knowledge of **Data Structures and Algorithms**

Experiences

Full Stack Software Developer

May - Aug 2018

Naudix

- Built a chatbot with Node.js that administers job applicant screening questions, and was presented in a tech demo to 6 companies including League and EventMobi
- Developed mobile app with React Native, for company's first minimum viable product
- Implemented Natural Language Processing with DialogFlow to extract intents from user inputs

Database Programmer

Sep - Dec 2017

Ontario Ministry of Finance

- Wrote scripts and queries in FAME database, delivering data to economists in a reliable manner
- Debugged existing programs and developed creative solutions for technical problems
- Developed and published a housing report which was presented to the Deputy Ministers and used in the decision-making process

Transit Management Systems

Jan - Apr 2017

York Region Transit

- Created and conducted test cases for new mobile fare payment app, collaborating with third-party developers to ensure a bug-free release
- Designed mockup of PRESTO instruction sticker for bus stops
- Serviced fare machines in a thorough and timely manner

Projects

HealthLens

- A website which allows users to search for foods of interest, returning nutrition information as a percentage of their daily allotment, based on health parameters they specify
- Built with HTML/CSS front end, pulled JSON data from Nutritionix API endpoints and parsed with JavaScript to provide graphical representations of daily nutrition allotment

Out of the Park

- A baseball simulation game written in Java, implementing concepts of object-oriented design
- Implemented timer to vary pitch speeds, and timer event handler to determine batting outcomes
- User interface built with swing library and Abstract Window Toolkit

Interests

- Engineering Society Rep
- Sports Analytics and Sabermetrics