TYLER LIU

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Summary

- Passionate about **Clean Code** practices and **Test Driven Development**
- Experienced in **Java, C++,** and the **MEAN** stack
- Mobile app development experience with **React Native**
- Proficient in **unit/integration testing** with **Mocha/AssertJ/Mockito**
- Familiar with front-end development using **Angular.js/TypeScript**

Experiences

Software Engineering Intern   Sep - Dec 2019
Capco
- Gained experience in **Java 8, Spring Boot, AssertJ,** and **Oracle** by contributing to President's Choice Financial's microservices, integrating with third-party services such as Tsys and Credit Karma
- Enforced test coverage of Swagger validation in REST controllers, proactively preventing 17 bugs
- Troubleshooted and resolved 17 UAT bugs, working with QA, business, and external vendors
- Practiced **SOLID principles**, learned about data modelling and normalization

Software Developer   Jan - Apr 2019
Nest Wealth
- Built **complete form signing process** for a corporate client using DocuSign API in **Node.js**
- Spearheaded **Angular migration** of admin portal to **TypeScript**, reduced page loading times by 65%
- Gained experience in asynchronous JavaScript using **Async/Await** and **Promises** (Bluebird)

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

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 specified health parameters
- 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

Clean Code

- A design exercise demonstrating optimal design of a quadratic solver component. Full encapsulation of classes and objects, full test coverage, composite pattern, single responsibility, dependency injection

Out of the Park

- A baseball simulation game written in Java, user interface built with swing library and Abstract Window Toolkit
- Implemented timer to vary pitch speeds, and timer event handler to determine batting outcomes

LANGUAGES

Java
C
C++
JavaScript
TypeScript
Groovy

TECHNOLOGIES

Node.js
Angular.js
Spring Boot
MongoDB
MySQL/Oracle
React Native
JUnit
AssertJ
Mockito
Docker
Git
Jenkins
Linux
Mocha
MyBatis