Jack Ding

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Technical Skills

Programming: Java, Python, Ruby, C++, C, SQL, Shell Script, MongoDB, REST

Web:
- HTML + (HandlebarsJS, EJS)
- CSS + (Bootstrap, LESS)
- JavaScript + (Angular, React, NodeJS, Express, JQuery)

Other Skills

- Strong Communication Skills
- Thrives in an agile team
- A Love for Solving Complex Problems
- Creative & Design-Oriented
- Driven by Execution

Education

Honors Computer Science
Western U (2014-2018)

Courses:
- Databases
- Artificial Intelligence
- Object Oriented Design
- Software Engineering
- Networks
- Algorithms

Extracurriculars

- Nationally ranked competitive debater
- Director of Events, National Business and Technology Conference (NBTC) 2016

Employment

Leonardo Worldwide Corporation (Toronto):   May '16 - Sept '16
Full-Stack Software Engineering Intern (Full Time)
MEAN Stack, Java, MySQL, Bootstrap, LESS, JQuery, JSON, REST

- Worked with an agile scrum team to design, develop, test, and launch Leonardo's first app store.
- Worked with design and architecture teams to refactor existing code to better follow internal standards and improve efficiency.
- Performed debugging, code reviewing, and bug fixing for several Leonardo software applications.
- Created automation scripts for unit testing features in Jasmine and Karma.

Most Recent Projects

Schulich School of Dentistry Excel Client (Coursework) (95%):
C++, QT

- Developed an Excel Desktop client to analyze and present staff data.
- Worked with representatives from the faculty to outline, design, and implement requirements and common use cases.
- Implemented a cleaner, more logical UI using C++ and QT.
- Refactored and optimized old code to better align with object-oriented principles, increasing future reusability and modularity.

IMDb Program (Personal):
MySQL, Python, Flask, Bootstrap, JQuery, JSON

- Developed an IMDb-style database manipulation application.
- Designed and implemented a modern UI using Flask templates, Bootstrap and JQuery.
- Worked with Python, Flask, and MySQL to implement backend storage with a MySQL server.

Fitbit Desktop Client (Coursework) (100%):
Java, SWING, JSON

- Developed a desktop client for Fitbit users.
- Worked with Fitbit customers, gathered requirements, designed mockups, and wrote unit and integration tests.
- Developed UI with SWING, and backend with Java. Implemented program persistence with Java Serializable Objects. Also worked with Fitbit API.
- Chosen as the best product by CS Faculty Fitbit users.

Agile Lists (Personal):
MEAN Stack, Bootstrap, JQuery, REST, JSON, Passport

- Developed a lists app that incorporated aspects of agile development into personal productivity.
- Built on the MEAN stack, with Passport user sign-in and sign-up