James Nguyen

https://github.com/jqnguyen15 | http://jqnguyen15.github.io/
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Education

University of Windsor | Computer Science | Windsor, Ontario
September 2014 - Present | Windsor, Ontario | GPA: 4.0

Experience

Phreesia | **Software Engineer** | Ottawa, Ontario
June 2017 - Present
- Worked on multiple web APIs as microservices within a service oriented architecture to securely store encrypted medical information. Ensure API can handle heavy loads of traffic by scaling out with redis and mongodb. Developed and deployed a stand alone application to facilitate financial reconciliation between Phreesia financial information and a practice's financials.

Pillr | **Software Engineering Intern** | Montreal, Quebec
August 2016 - December 2016
- Worked on a linked data platform for resource management system. Provides a network of standards based, machine-readable data across the web. Built proprietary framework and container using PHP.

Progressive Software International Inc | **Software Engineering Intern** | Windsor, Ontario
March 2016 - July 2016
- Design and develop desktop applications for clients related to database management systems. Worked towards bringing desktop application to web-based cloud application. Refactored legacy code to make code more maintainable and easier to read for future developers.

Technical Skills

Technologies: C#, Java, Ruby on Rails, PHP, Javascript, HTML/CSS, Python, C.

Areas of Interest: Algorithms and Data Structures, Machine Learning, Web Development

Side Projects

DPDL - Implemented TrueSkill matchmaking algorithm to create balanced teams out of 10 players.
Technology: **Ruby on Rails**. Code: https://github.com/JQNguyen15/dpdl Demo: https://dpdl.herokuapp.com/
Social Network - Twitter inspired social network.
Technology: **Ruby on Rails**. Code: https://github.com/JQNguyen15/jtwit Demo: https://jtwit.herokuapp.com/
Blog - Allows user to blog and make posts.
Technology: **Ruby on Rails**. Code: https://github.com/JQNguyen15/Blog Demo: http://jnblog.herokuapp.com/
Message Board - Forum to facilitate communication and discussions between users.
Technology: **PHP, Javascript** Code: https://github.com/JQNguyen15/messageboard
Demo: http://eti.nguyen1v.myweb.cs.uwindsor.ca/proj/index.php
Sudoku Solver - Solves a game of Sudoku. Utilizes a recursive backtracking algorithm.
Technology: **C** Code: https://github.com/JQNguyen15/sudokusolver

Extra Curricular Activities

Co-founder of the Big Endian Club at the University of Windsor.
Director's Honour Roll.
Dean's Honour Roll.
ACM Programming Competition 2015.
Golden Key Society.