

James Nguyen

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Experience

Phreesia | Software Engineer | Ottawa, Ontario

June 2017 - Present

Built a financial reconciliation tool that allowed health care practices to determine whether payments are exporting back to Phreesia's external credit card processing system properly and to identify discrepancies.

Develop and deployed back end web api microservices within a service-oriented architecture (SOA) to multiple environments which handle millions of requests.

Collect and clean big data to relay into machine learning pipeline.

Pillr | Software Engineering Intern | Montreal, Quebec

August 2016 - December 2016

Built a back-end as a service (BaaS) platform to leverage linked data and semantic web technologies. The platform provides a network of standards based, machine-readable data across the web.

Progressive Software International Inc | Software Engineering Intern | Windsor, Ontario

March 2016 - July 2016

Design and develop enterprise resource planning software. Refactor legacy code and improved runtime complexity from $O(N^2)$ to $O(N)$ which resulted in a decreased loading time of dashboard by an average of 6 seconds.

Education

University of Windsor | Major: Computer Science

September 2014 - May 2017 | Windsor, Ontario | GPA: 4.0

Technical Skills

Technologies: C#/.NET, Python, Java, Ruby/Rails, PHP, Javascript, HTML/CSS, C, git/source control.

Areas of Interest: Algorithms and Data Structures, Machine Learning, Web Development, Neural Networks (Convolutional/Recurrent), Natural Language Processing, Image Recognition.

Side Projects

Gaming League - Implemented Microsoft's TrueSkill matchmaking algorithm. Deployed service online. Utilizes OAuth2. Allows players to sign up and play games against each other.

Demo: <https://dpdl.herokuapp.com/>

Code: <https://github.com/JQNguyen15/dpdl>

Social Network - Platform that allows users to create posts, upload images, and follow/unfollow other users.

Demo: <https://jtwit.herokuapp.com/>

Code: <https://github.com/JQNguyen15/jtwit>

Image Classifier - Tensorflow based project that utilized a convolutional neural network to classify handwritten digit images. Tested the classifier on 10,000 examples and had a 99.4% accuracy rate.

Message Board - Forum style platform that allows users to communicate and have discussions online.

Demo: <http://eti.nguyen1v.myweb.cs.uwindsor.ca/proj/index.php>

Code: <https://github.com/JQNguyen15/messageboard>