Ottawa, Ontario

James Nguyen

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Employment

Software Engineer **Phreesia** June 2017 - Present
- Built a financial reconciliation tool that would allow health care practices to determine whether payments were exporting back to Phreesia's external payment processing system properly and to identify discrepancies.
- Develop and deployed back end web api microservices to multiple environments that are used to power the financial reconciliation tool and are able to handle millions of requests per minute.
- Worked on integration platform to communicate and build data pipelines to partner companies.
- Technologies used: C#/.NET, Javascript, Python

Software Engineering Intern **Pillr** August 2016 - December 2016
- Created 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.
- Technologies used: PHP, Javascript

Software Engineering Intern **Progressive Software International** March 2016 - July 2016
- Design and develop enterprise resource planning software.
- Improved dashboard efficiency by reducing the runtime complexity from O(N^2) to O(N) which resulted in a decreased loading time by an average of 6 seconds.
- Technologies used: Progress OpenEdge, Javascript

Education

Windsor, Ontario **University of Windsor** September 2014 - May 2017
- Bachelors of Science in Computer Science. GPA: 4.0
- Undergraduate Coursework: Algorithms, Data Structures, Web Development, Operating Systems, Databases, Computer Architecture, Systems Programming, Statistics
- Graduated with Distinction along with On Dean's List.

Technical Projects

- **Social Network**: Platform that allows users to create posts, upload images, and follow/unfollow other users. Utilized AWS to host images. Deployed on Heroku servers.
- Technologies used: Ruby on Rails, Javascript

- **Gaming League**: Integrates with Steam API for OAuth2 for authentication. Allows users to create games, record statistics and ranks users based on performance. Implemented Microsoft's TrueSkill matchmaking algorithm. Deployed on Heroku servers.
- Technologies used: Ruby on Rails, Javascript

- **Image Classifier**: Tensorflow based project that utilizes a convolutional neural network to classify pictures of handwritten numbers. Able to reach a 99.4% accuracy rate on a 10,000 size sample test set.
- Technologies used: Python