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 within a service-oriented architecture (SOA) to multiple environments that are able to handle millions of requests.
- Worked on integration platform to communicate and build data pipelines to partner companies.

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.

Software Engineering Intern **Pr**

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.

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.
- 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.
- 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 and Topics of Interests

- C#/.NET, Python, Java, Ruby/Rails, PHP, Javascript, HTML/CSS, C, git/source control
- Algorithms and Data Structures, Web Development, Mobile Development, Machine Learning, Neural Networks (convolutional/recurrent), Natural Language Processing, Image Recognition