James Nguyen

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EMPLOYMENT

PHREESIA
Software Engineer
June 2017 - Present

- Built a financial reconciliation tool using C# 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 with redis and mongodb.
- Worked on integration platform to communicate and build data pipelines to partner companies which allows Phreesia to maintain data integrity with our partners.

PILLR
Software Engineering Intern
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 using PHP and Javascript.

PROGRESSIVE SOFTWARE INTERNATIONAL
Software Engineering Intern
March 2016 - July 2016

- Design and develop enterprise resource planning software.
- Improved dashboard efficiency by improving database queries and creating a new data storage cache with redis which resulted in decreasing loading time by an average of 6 seconds.

EDUCATION

UNIVERSITY OF WINDSOR
Bachelors of Science
September 2014 - May 2017

- 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

- Web based platform built with Ruby on Rails, Javascript and PostgreSQL that allows users to create posts, upload images, and follow/unfollow other users. Utilized AWS to host images. Deployed on Heroku servers.

GAMING LEAGUE

- Web based application built with Ruby on Rails that integrates with Steam API for OAuth2 authentication. Allows users to create games, record statistics and ranks users based on performance. Implemented Microsoft's TrueSkill matchmaking algorithm. Deployed on Heroku servers.

IMAGE CLASSIFIER

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