Thomas Tran

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Education

Candidate for Bachelor of Computing, Statistics Minor (GPA: 4.0)   September 2016 - Present
University of Guelph
- Expected Graduation: April 2021
- Programming Coursework – Data Structures, Analysis and Design of Algorithms, Object Oriented Programming, SW Systems Development and Integration, Operating Systems

Work Experience

Software Engineer, NCR, Waterloo, ON   September 2018 – December 2018
Development Tools: Java, Git, Jenkins, Docker, Postman, JavaScript
- Established remote testing and coding development environment using Docker and bash scripts.
- Performed end-to-end and manual regression testing together with the QA team to identify system dependencies and discover defects introduced by new features.
- Built RESTful APIs used by microservices for payment platform to retrieve and update client data.
- Updated the software's Proof of Concept applications in AngularJS and Node.js to adapt to new requirements.

Data Migration Engineer, Auvik Networks, Waterloo, ON   May 2018 – August 2018
Development Tools: Python, Git, Jenkins, AWS, Kubernetes, NoSQL, HTML/CSS, YML
- Utilized APIs from various SaaS tools to process large sets of data for generating reports used by customers.
- Improved efficiency of internal processes by automating tasks through Python scripts and Cron.
- Resolved production issues by analyzing stack traces and identifying symptoms to find the root cause.
- Implemented web client's front- and back-end for the systems monitoring site by using NoSQL and Flask.

Projects

Emoji Master
Development Tools: Java, XML, Android Studio, Git
- Created an Android application that makes Unicode faces accessible for sharing and copy-pasting.
- Published on Google Play with source code provided on GitHub (https://github.com/th-tran/emoji-master).

Random Name Generator
Development Tools: Python, Argparse, Git
- Developed a CLI tool that utilizes probability tables constructed from sample data to create random names.

Genealogy App
Development Tools: C, MySQL, JavaScript, HTML/CSS
- Developed a web-based genealogy tool that parses GEDCOM files to provide analyses of family histories.
- Integrated database connection with SQL to provide direct access to records of files and individuals.

Technical Skills

Programming Languages: Python (proficient), C, Java, JavaScript
Technologies: HTML/CSS, NoSQL, Git, Unix/Linux, Docker, Kubernetes, AWS