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| <https://github.com/pdtran3k6>  [www.linkedin.com/in/phatdtran3k6](http://www.linkedin.com/in/phatdtran3k6) | **PHAT D. TRAN** | (647) 607-4207  [pdtran@edu.uwaterloo.ca](mailto:pdtran@edu.uwaterloo.ca) |

**Employment**

**Full Stack Developer, Flynn Inc. May – Sep 2017**

*DSS Viewer: A web application that allows employees to search, view and download emails, documents, technical drawings, images stored in Azure Blob Storage. This application is expected to replace a legacy desktop file viewer, and will serve 5000+ employees in all Canadian and US offices.*

* Implemented single sign-on, social login, and session storage with Auth0 and Redis Store.
* Developed single-paged application with React and Node that search for +400,000 files stored in distributed storage system (Microsoft SQL Server and Azure Blob Storage).
* Implemented file display in browser, supporting +110 file types with Box API and Convert API.
* Implemented file and search result caching to reduce file conversion credits usage with Azure Redis Cache.
* Built internal tool that generates custom code coverage report for specific files, leveraging OpenCover.

**Systems Engineer, fundserv Jan – Apr 2016**

*Ops Portal: Designed and implemented a reporting system that provides accurate and up-to-date server information for 20+ system engineers, administrators, and network specialists at fundserv on a daily basis. As of May 2017, the system has served more than 95% of fundserv IT staffs.*

* Designed a system to extract vital information from UNIX-based (Solaris, Linux, and CentOS) servers.
* Assisted in replicating data collection system, which aggregates and re-distributes data among 300 virtual and physical machines, and deploying to a backup Solaris server.
* Composed bash scripts to automate report generation and schedule job with crontab.
* Prototyped Ops Portal’s cross-browser UI and navigation with HTML/CSS and Bootstrap.

**Technical Experience**

* Back end: Nodejs, Python, Java, C#, C/C++
* Front end: HTML & CSS, Bootstrap, React
* Database: MySQL, NoSQL
* Tools: Visual Studio Code, Android Studio, Github

**Education**

**Bachelor of Computer Science (Co-op, 2B), University of Waterloo Sep 2015 – current**

* Average 2A: 73.4%
* University of Waterloo President’s Scholarship of Distinction (2015):95%+ admission average

**Projects**

**MealTracker** (Oct 2016 – Apr 2017): Mobile application | Android SDK. Java. MySQL.

* Developed a mobile app that captures photos of meals and generates quizzes to users.
* Implemented authentication with Firebase.
* Implemented photo storage with Google Cloud Storage.

**VideoNail** (Feb 2017 – May 2017): Chrome Extension | Javascript.

* Developed an extension that allows videos to stay on top when users scroll down to the comment section.
* Served over 25+ users, rated 5 stars on Chrome Web Store.

**GingerRewards** (Jan 2016 – Apr 2016): Web application | Azure. JDBC. MySQL. Vagrant. Spring MVC.

* Developed and deployed an online loyalty program for Ginger Restaurant.
* Prototyped UI with authentication for the restaurant manager and staffs to input point transactions.
* Designed users and transactional databases’ schema.