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

**Employment**

**Software Engineer in Test, Camis Inc. Sep – Nov 2016**

*CamisCodeCoverage (CCC): Added new functionality to CCC – a tool that generates code coverage report - to search for unit tests case-insensitively. Improved search algorithm of CCC. Improved runtime from O(n) to O(1). As of November 2016, this improvement is expected to save software developers an average of 11 hours per week.*

* Improved CAMI5 – the latest software product from Camis - production code’s readability, security, and testability.
* Communicated with software engineers and solution architects to minimize discrepancy in unit tests implementation.
* Composed documentation for organizing unit tests and CCC.

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

*Ops Portal: Designed and implemented a reporting system that provides accurate and up-to-date server information for 40+ engineers at fundserv on a daily basis. As of January 2016, the system has served more than 85% of fundserv IT staffs.*

* Composed ksh and bash shell scripts to extract/compile information from Solaris, Linux, CentOS servers and update reports daily using crontab and Control M.
* Assisted in migrating the process of collecting, aggregating and re-distributing data among 250 virtual machines in production to a backup Solaris server.
* Designed cross-browser friendly UI and navigation with HTML/CSS to encourage usage of Ops Portal.

**Technical Experience**

* Backend: Python, Java, C#, MySQL, NodeJS
* Frontend: HTML & CSS, Bootstrap, Angular
* Tools: Visual Studio, Android Studio, Github

**Education**

**Bachelor of Mathematics (Co-op, 2A), University of Waterloo Sep 2015 – current**

* (in progress) Transferring to Computer Science
* Average 1B: 77.3%
* University of Waterloo President’s Scholarship of Distinction (2015):95%+ admission average

**Project**

**ReviewBoardNotificationBot** (Oct 2016 – Dec 2016): Web application | Azure. NodeJS.

* Developed a bot that receives new notification from ReviewBoard – an open-source project that allows developers to review code for each other – and send it to various chat platforms (currently Skype only).

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

* Developed a mobile app that captures photos of meals and generates quizzes to users.
* Designed database implementation of the app.
* (in progress) Added a new functionality to share correct streak on various social media platforms.

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

* Developed and deployed an online loyalty program for Ginger Restaurant (located in Toronto), which consists of: [1] a web interface with authentication for the restaurant manager and staffs to input point transactions, and [2] customer and transactional databases.
* Improved code base through rigorous review process using Review Board and Git.