

## RELEVANT EXPERIENCE & PROJECTS

### Mobile & Web 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 application, 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.

**MealTracker** (Oct 2016 – Apr 2017): Mobile application | Android SDK. Java. Firebase. Google Cloud Storage.

- ✓ Developed a mobile app that captures photos of meals and generates quizzes to users.
- ✓ Implemented user 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 to the comment section.
- ✓ Served 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.
- ✓ Improved codebase through rigorous review process using Review Board and Git.

## OTHER EXPERIENCE & PROJECTS

### Unix Shell Programmer, 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 May 2017, the system has served more than 90% of fundserv IT staffs.*

- ✓ Designed a system to extract 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 Bootstrap.

## EDUCATION & TECHNICAL SKILLS

### 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

### Technical Skills:

- ✓ Back end: Node.js, Python, Java, C#, C/C++
- ✓ Front end: HTML & CSS, Bootstrap, React
- ✓ Database: MySQL, NoSQL
- ✓ Tools: Visual Studio Code, Android Studio, Github