

ANDREW LEE

3rd Year Systems Design Engineer

519-503-8269

[linkedin.com/in/andrewjplee](https://www.linkedin.com/in/andrewjplee)

github.com/ajplee

ajplee@edu.uwaterloo.ca

WORK

Infrastructure Engineering Intern | GroupBy

September 2018 / Toronto, ON

- Worked on upgrading the core search service to **Elasticsearch** 6.4 resulting in a **7%** decrease in query response time and an increase in stability
- Responsible for managing the build and deployment of micro-services using **Docker** and **Kubernetes** and load balancing using **Nginx** and analyzed services to improve efficiency, scalability and stability

Software Engineering Intern | TradeRev

January 2018 / Toronto, ON

- Worked on the **Android** and **iOS** push notification service, incorporating deep links to direct users to a specific page, as well as **Mixpanel** to track user's analytics
- Created and refactored multiple **Grails** services to handle implementation of a new user type on web and mobile platforms handling login, authentication, permissions and ensuring functionality across the application

Software Developer Intern | HubHead

May 2017 / Markham, ON

- Developed and implemented a reporting tool using **Groovy**, **Java**, and **Grails** which is now live in production
- Responsible for gathering and analyzing requirements to accurately design the UI/UX of the report using **JQuery**, **Javascript** and **HTML/CSS**

Java Developer Intern | PointClickCare

September 2016 / Toronto, ON

- Designed data-driven dashboards using **Tableau** for over 13,000 customers to view their analytics and integrated them into the web application
- Developed features for PointClickCare's REST API web service using **Java** and **SQL** within the **Spring** framework

QA Analyst Intern | PointClickCare

January 2016 / Toronto, ON

- Created **Selenium** automation tests, increasing code coverage and improving regression testing efficiency
- Used **TestRail** to define test cases to ensure functionality across the application

SKILLS

Languages

- Java • Javascript • C++ • Python

Front End

- AngularJS • HTML/CSS • JQuery

Back End

- Grails • Spring • Node

Data

- ElasticSearch • SQL • Redis

Tools/Technologies

- Git • AWS • GCP • Kubernetes
- Docker • Nginx • Android

PROJECTS

ZhengGu

- Created electronic version of traditional instrument

TrakRecord

- An **Android** app that uses Bluetooth beacon technology to accurately track marathon split time

Ask 6ixGod

- An **Android** app that uses sentiment analysis to parse phrases and respond with an appropriate song lyric

EDUCATION

University of Waterloo

Systems Design Engineering

- Ranked top 10 out of 90 students
- **Courses:** Programming, Data Structures and Algorithms, Software Design, Pattern Recognition