


Thomas Arellano

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Skills

- Experienced with large-scale systems through work at Uber and LinkedIn with Kafka, Samza, HDFS, and Elasticsearch
- Proficient in Java, C++, Javascript, C#, and Android development through work, projects, and courses
- Familiar with Python, PHP, SQL, MySQL, Espresso, React, HTML5, and CSS through work and projects
- Exceptional independent worker demonstrated by building complete Android app with little guidance at BanaLogic

Experience

Facebook

Menlo Park, CA

Software Engineering Intern

Sep – Dec 2019

- Building infrastructure and APIs for the Messenger Business Platform using Hack, PHP, React, and GraphQL

LinkedIn

Sunnyvale, CA

Software Engineering Intern

Jan – Apr 2019

- Worked on the enterprise platform team to build infrastructure and services to support enterprise applications
- Created tracking pipeline to ingest thousands of authentication events daily using Kafka, Samza, HDFS, and Espresso
- Built authentication event search service with Brooklin and Elasticsearch to solve auth issues and build usage reports
- Used Ember.js and Rest.li to allow customer support team to query auth events resulting in quick resolution of issues

Uber

Palo Alto, CA

Software Engineering Intern

May – Aug 2018

- Worked as a backend developer on the maps workflow team to build internal services for maps
- Built RESTful Java web service for internal maps process using Hibernate, Jackson, and Jersey frameworks and MySQL
- Redesigned core business logic to improve performance and interoperability as service scales to 10+ internal consumers
- Wrote load and integration tests in Python and unit tests with JUnit and Mockito frameworks to guarantee performance

D2L

Kitchener, ON

Software Developer Intern

Sep – Dec 2017

- Worked on D2L's Brightspace platform with technologies including JavaScript, React, Polymer, C #, SQL, and PostgreSQL
- Implemented features in React app for K-12 lessons tool with interactive table of content and focus on learning standards
- Added unit tests with frameworks including jest, jasmine, and NUnit and improved accessibility in apps to ARIA standard

theScore

Toronto, ON

Android Automated QA Intern

Jan – Apr 2017

- Worked with databinding, JSON, REST, and proprietary APIs to implement new features and designs in the Android app
- Created python script to automate licensi ng by processing open source libraries and outputting generated HTML to CMS
- Developed unit and integration tests using testing frameworks including JUnit, PowerMock, Mockito, and Espresso

BanaLogic

Richmond Hill, ON

Software Developer Intern

May – Aug 2016

- Developed Android application to test and report vehicle's diagnostic for standardized vehicle emission quality
- Used the Java native interface to work with device serial port for vehicle-to-device communication
- Designed simple and efficient UX to allow any car owner the ability to diagnose their vehicle in less than 2 minutes

Education

University of Waterloo

Waterloo, ON

Candidate for Bachelor of Applied Science, Computer Engineering

Expected May 2020

- Courses: Algorithms and Data Structures, Compilers, Databases, Networks, Operating Systems, Distributed Computing