

Thomas Arellano

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SKILLS

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

EXPERIENCE

LINKEDIN | SOFTWARE ENGINEERING INTERN

Jan 2019 - Apr 2019 | Sunnyvale, CA

- Created tracking pipeline to ingest thousands of authentication events daily using **Kafka**, **Samza**, **HDFS**, and **Espresso**
- Built authentication search service with **Brooklin** and **Espresso** to solve authentication 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 | SOFTWARE ENGINEERING INTERN

May 2018 - Aug 2018 | Palo Alto, CA

- Built **RESTful Java** web service for internal maps process using **Hibernate**, **Jackson**, and **Jersey** frameworks and **MySQL** DB
- 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 | SOFTWARE DEVELOPER INTERN

Sep 2017 - Dec 2017 | Kitchener, ON

- 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
- Fixed defects in **Polymer** HTML Editor through work on D2L's **REST-like API interface** and **tinymce** open-source project

THESCORE | ANDROID AUTOMATED QA INTERN

Jan 2017 - Apr 2017 | Toronto, ON

- Worked with **databinding**, **JSON**, **REST**, and proprietary APIs to implement new features and designs in the Android app
- Created **python** script to automate licensing 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 | SOFTWARE DEVELOPER INTERN

May 2016 - Aug 2016 | Richmond Hill, ON

- 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
- Collaborated with hardware engineer to manufacture custom microcontroller for **OBD2** port transmissions
- Designed simple and efficient UX to allow any car owner the ability to diagnose their vehicle in **less than 2 minutes**

PROJECTS

RESISTRO | REACT WEBAPP

Apr 2017 - Present | Toronto, ON

- Developed open-source resistor colour code calculator with interactive UI using **React**, **Redux**, and **Webpack**
- Used **git** for version control and setup **Travis CI** and **Github Pages** for continuous integration and deployment

EDUCATION

UNIVERSITY OF WATERLOO | CANDIDATE FOR BACHELOR OF APPLIED SCIENCE, COMPUTER ENGINEERING

Expected May 2020 | Waterloo, ON

Relevant Courses:

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