

# CHRISTOPHER SHUM

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## CODING SKILLS

- Android SDK
- Git
- Google Material Design
- Project planning, user research, and prototyping
- Java
- SQLite
- User Stories and Unit Testing
- Work with various APIs and libraries
- XML
- JSON
- Google Play™ Services
- Threading and services

## ANDROID APPS

- Portfolio at <http://chris-shum.github.io>
- Github: <https://github.com/chris-shum>
- “Meet Up, Speak Up” available on the Google Play store.
  - Implements: Firebase database & library, Microsoft Translator API, and Volley library.
  - Google Play Sign-In service integrated into the app to identify users.
  - User, chatroom, and chat data use Firebase's UI library to send & receive data to Firebase database.
  - Chat data is displayed via custom cards in a recycler view.
  - Users can choose to translate messages to and from 13 languages.
- “QuickTap”, 2<sup>nd</sup> place app at GA + HPE Haven OnDemand Hackathon.
  - Implements: HPE Haven OnDemand Speech Recognition API, BreweryDB API, SQLite database.
  - Team effort/partner programming resulting in strong usage of Git branching and merges.
  - Allows tracking of beers as well as sharing on social media.
  - Provides search feature allowing users to browse results from the BreweryDB database.
  - Built in SQLite database to store beer data.

## PROFESSIONAL EXPERIENCE

**GENERAL ASSEMBLY**, New York, NY

2016 - Present

### **Teaching Assistant**

Support the academic success of the Android Development Immersive students.

**INTENSE, INC.**, North Brunswick, NJ

2014-2015

### **Electro-Mechanical Engineer**

Contributed to the design, development, and production process of semiconductor lasers.

**TRUMPF PHOTONICS**, Cranbury, NJ

2009-2012

### **Lead Technician**, 2011 – 2012

### **Production Technician**, 2009 – 2011

Responsible for managing daily diode laser production within the Mounting & Testing group.

## EDUCATION

### **UDACITY**

Nanodegree, Android Development, August 2016

### **GENERAL ASSEMBLY**

Certificate, Android Development, April 2016

### **MANCHESTER METROPOLITAN UNIVERSITY**

Master of Science, Mechanical Engineering, August 2014