

# Brandon Lim

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## Work Experience

### Amazon Lab126

Sunnyvale, CA

#### Software Development Engineer II

December 2018 - Present

#### Software Development Engineer

July 2016 - December 2018

- Implemented UAMP, a universal Android media player library used across FireOS devices, by integrating with multiple underlying players, such as ExoPlayer, which is resulting in over 5 million monthly usages
- Lead the UI implementation for Movie Trailers, Smart Home Cameras, and Alexa Skills Video experiences
- Refactored and extended UAMP to support Fire TV Recast content on Echo Show
- Leveraged and maintained pipelines to provide continuous delivery of UAMP to consuming applications
- Architected and developed new features for the Fire App Builder framework, reducing latency by up to 70%
- Designed and implemented metrics for our services to provide insights on how to best optimize
- Established new standards and facilitated open communication to improve sprint velocity as scrum master

### Amazon Web Services

Seattle, WA

#### Software Development Engineer Intern

June 2015 - September 2015

- Developed Elastic Beanstalk application in Python to automatically monitor Docker Hub Availability across all Amazon Web Service regions, increasing our coverage by 900% to help maintain uptime
- Created a JSON Service model for pushing metrics to an internal service from EC2 through Boto3
- Implemented a pipeline for staging CloudFormation stack deployments using internal builder tools

### University of California, Irvine

Irvine, CA

#### Undergraduate Research Assistant

September 2014 - June 2015

- Leveraged AsterixDB to process 5 million tweets to display concentrations of health risk in a spatial area
- Cleaned and parsed 15 GB of record files into a central dataset for AsterixDB ingestion using Java

## Technical

**Languages:** Java, Python, C++, and SQL

**Libraries and Frameworks:** RxJava, Glide, EventBus, ExoPlayer, Leanback, and Android Support Library

**Developer Tools:** GitHub, Android Studio, Gradle, Jira, and Amazon Web Services

## Education

### University of California, Irvine

September 2011 - March 2016

Bachelor of Science in Computer Science

Dean's Honor List: 8 Quarters

Bachelor of Science in Business Information Management

GPA 3.63

## Projects and Awards

### Craft - Autism App Jam

April 2015

- Won Honorable Mention - Web application that provides autistic adults with career suggestions
- Worked with ASP.NET and Bootstrap to create user-friendly web interface for personal assessments

### Panda - UC Irvine Med App Jam

October 2014 - November 2014

- Won Most Innovative Application - Tremor tracking application that utilizes the iPhone accelerometer
- Worked with Objective-C, Xcode, and GitHub to develop functionality for medication reminders