

# ARJUN BHARADWAJ

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## EDUCATION

### Master of Science in Computer Science

September 2015 - March 2017

*University of California, Davis*

### Bachelor of Science in Computer Science and Engineering

September 2012 - July 2015

*University of California, Davis*

## WORK EXPERIENCE

### Mobile SDK Engineer - iOS, Amazon Inc, Palo Alto, CA

JAN 2019 - PRESENT

**Technologies used:** Objective-C/Swift, X-Code, Cocoapods, Android Studio, Java, Git

- Added functionality to the Advertising SDK(s) to enable publishers to perform Real-time Bidding (RTB) via **thousands of bid requests** for each publisher/app developer.
- Reduced deployment times by **83%** by building custom build system scripts and pipelines from scratch.
- Decreased ads rendering latency by **60%** via smart caching.
- Built and shipped cool features such as ad animations and algorithms related to Ad Viewability. :)

### Mobile Application Engineer - iOS, Bank of America, San Francisco, CA

APR 2017 - JAN 2019

**Technologies used:** Objective-C, X-Code, Perforce (Version Management)

- Implemented user design interfaces for the main mobile application that was used by **millions of end users**.
- Optimized the app's space by **15-16%** by removing unnecessary assets.
- Actively contributed to the improvement of app through regression testing and bug fixes.

### Software Engineer - Data, Institute of Transportation Studies, UC Davis, CA

JULY 2015 - JULY 2016

**Technologies used:** Python, PostgreSQL

- Developed and tested Python scripts to process medium to large amounts (10GB) of transportation data.
- Programmed transportation allocation algorithms in an efficient manner using PostgreSQL&Python.

### Mobile Engineer Intern, Android, The Creative App Company, UC Davis, CA

APR 2013 - JUN 2013

**Technologies used:** Eclipse, Android, XML

- Implemented a professional application on the Android platform using Java and XML in 3 months.
- Actively interacted with a team of five people to successfully develop the features of the product.

## PROJECTS

### Mood Tracker and Analyzer

**Technologies used:** HTML, CSS, JS (Front-end) , Python, Flask (Back-end)

- Built a custom medical app which enables patients to analyze their mental states through data visualization.
- Efficiently used **IBM Watson's** API to perform sentiment analysis on the data and perform sophisticated visualization using **D3.js**.

## TECHNICAL SKILLS

**Proficient:** Objective-C/iOS

**Knowledgeable:** Flask, Swift, Kotlin, Java

**Other:** Data Structures, Algorithms, Databases (PostgreSQL), Git

**Softwares:** X-Code, Android Studio, PyCharm

## PREVIOUS LEADERSHIP / EXTRACURRICULARS

- Pragmatic Programming Chair,** *Davis Computer Science Club*
- Computer Science Tutor,** *Davis Computer Science Club*