ARJUN BHARADWAJ

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EDUCATION

Master of Science in Computer Science
University of California, Davis

September 2015 - March 2017

Bachelor of Science in Computer Science and Engineering
University of California, Davis

September 2012 - July 2015

WORK EXPERIENCE

Mobile SDK Engineer - iOS, *Amazon.com Inc, Palo Alto, CA*

JAN 2019 - PRESENT

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

- Developed and actively worked on Advertising SDK(s) to perform Real-time Bidding (RTB). These SDKs are installed on **millions of devices**.
- 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*