

# 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

### iOS Software Engineer, Bank of America, San Francisco, CA

APR 2017 - PRESENT

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

- Implemented user design interfaces for the main mobile application that was used by **25 million end users**.
- Optimized the app's space by **14-15%** by removing unnecessary assets.
- Actively contributed to the improvement of app through regression testing, bug fixes, and performance enhancements.

### Data Scientist Intern, Altice USA, San Francisco, CA

JUN 2016 - AUG 2016

**Technologies used:** Apache Spark + Python, Git, Pandas

- Performed data munging on customer data with the intent of making it more appropriate for analytics and machine learning.
- Achieved **10x speedup** of programs by using Spark and its Standalone cluster.

### Data Engineer, The 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 of transportation data.
- Programmed transportation allocation algorithms in an efficient manner using PostgreSQL and Python.

## PROJECTS

### HydrationStation

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

- Built a health app that enables individual to stay hydrated by tracking their liquid intake of various drinks such as coffee, alcohol, and coffee.
- Used the Genome API to extract the insights of a particular individual and then present personalized tips for the user which could easily be understood.

### 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: Python, HTML/CSS/JS, Objective-C

Knowledgeable: C++, Java, Swift, Apache-Spark, Node.js, Ruby on Rails, D3.js.

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

Softwares: X-Code, PyCharm

## PREVIOUS LEADERSHIP / EXTRACURRICULARS

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