ARJUN BHARADWAJ

Phone: 408.896.0993 ✉ Email: abharadwaj@ucdavis.edu ▭ Website: prudentprogrammer.com

Github: github.com/prudentprogrammer 🔲 LinkedIn: linkedin.com/in/prudentprogrammer

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

I-Phone Enterprise App Developer, *Bank of America, San Francisco, CA*
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*
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*
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

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

- Built a health app that enables individual to control their caffiene intake and develop healthy habits based on their genetic composition.
- **Used the Genome API to extract the insights of a particular individual and then present visualized data to 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 health through data visualization.
- Efficiently used **IBM Watson**'s API to perform sentiment analysis on the data and perform powerful 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*