AMAN DHAR

(650)-714-4844 | 1481 Oakley Dr. Los Altos, CA 94024 | amandhar@berkeley.edu

Education

University of California, Berkeley   **Aug 2015 – May 2019**
- B.A. in Computer Science, GPA: 3.66
- Completed Coursework: Structure of Comp. Programs, Linear Algebra, Data Structures, Data Science, Machine Structures, Discrete Math, Statistical Programming
- Current Coursework: Efficient Algorithms, Artificial Intelligence

Skills

- **Fluent in:** Python, Java, R
- **Experience with:** Objective-C/iOS development, SQL, C, Scheme
- **Other Tools:** OpenMP, Spark/MapReduce, Git/Github/Bitbucket, Intel Intrinsics (SSE)

Projects

iOS applications Berkeley Map and Davis Map – Developer   **Jan 2016 – Present**
- Utility apps for navigating UC Berkeley and UC Davis, ~2,200 total App Store downloads
- Imported new locations/data from multiple GPX and CSV files into apps' sqlite stores
- Greatly improved detail views for each location, adding photos, building information, etc.
- Performed significant work involving the Google Maps SDK, MapKit/CoreLocation frameworks
- Implemented various minor features including a share button, app tutorial view, etc.

Google Chatbot Metrics Project – Developer   **Sep 2016 – Dec 2016**
- Worked in a team of six data science society members to create a method of comparing/scoring various chatbots like Siri, Yokobot, etc.
- Used Python and R to scrape, clean, and prepare chatbot conversation data from the web
- Used ggplot and other R packages to create plots to analyze conversation data
- Created document-term matrices for certain chatbots from their conversation data

Presidential Election (School) Project – Team Lead   **Nov 2016 – Dec 2016**
- Managed a team of five students, organized workloads, and compiled the final project report
- Used R to scrape, clean, and arrange XML & CSV data from several elections into one dataset
- Created a KNN classifier to predict election results for each U.S. county; trained with 2-fold CV

iOS application Poké Compass – Developer   **Jul 2016 – Sep 2016**
- Wrote functions to perform all mathematical calculations involved in drawing a capture radius
- Implemented the connection between targets on map to a collapsible table view that easily organizes and helps manage seen Pokémon

Professional Experience

Data Science Society, UC Berkeley – Tutor   **Jan 2016 – May 2016**
- Helped students in Intro to Data Science learn basic python, complete homework assignments and projects, study for exams, etc.
- Held exam review sessions, explained midterm problems to students in a lecture/Q&A format
- Helped organize and run the 2016 DSSB Data Science Forum

Life Apps LLC – Summer Intern   **Jun 2014 – Aug 2014**
- Improved confusing code from outsourced developers for LifeSaver app (Android version)
- Worked on design and skeleton for FocusTime app (Android & iOS versions)