

# VIVEK HEBBAR

vivekhebbbar.github.io • vivek.hebbbar@berkeley.edu • (919) 324-2220

## EDUCATION

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*University of California, Berkeley* *2013 – Present*

- B.S. in Electrical Engineering and Computer Science *3.5 GPA*
- *Relevant Coursework:* Machine Learning, Artificial Intelligence, Advanced Algorithms, Databases, Convex Optimization, Computer Security, Data Science, Innovation Challenge Lab

## EXPERIENCE

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*Apple Inc. – Product Operations Intern* *Summer 2016*

- Interned with iPhone Product Operations Quality Data Science Team
- Augmented client, server, and database side code of internal web application used to collect factory data by implementing database archival, template duplication, download of all data for template
- Devised tool to leverage internal API to download voluminous manufacturing test data across wide date ranges by intelligently dividing request into smaller time spans, merging request results
- Created Python script to automate component data extraction from bill of materials matrix using internal API

*NASA Ames Research Center – NASA ISRDS Intern* *Spring 2016*

- Interned with NASA's Intelligent Systems division
- Conducted research regarding the use of 3D LIDAR object recognition for unmanned air vehicles

*Berkeley CS Department – CS61B Reader (Data Structures)* *Fall 2015*

- Graded projects and exams; held tutoring sessions, office hours, and discussion sections

*SAS Institute – Text Analytics Intern* *Summer 2014*

- Wrote server and client-side code to make SAS Contextual Analysis tool RESTful
- Devised SAS script to analyze SAS tech support email data with the Contextual Analysis tool

## SKILLS

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*Languages* Python, Java, C, JavaScript, Swift, SQL, SAS, HTML/CSS, MIPS, MATLAB, Scala

*Frameworks* Hadoop, Spark, Git, Spring (REST API, MVC), OpenMP, Intel SSE

## PROJECTS

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*Semper.AI* *Fall 2016 – Present*

- Contextual AI assistant that provides insights before, during, and after conversations
- Maintains and leverages model of user's personal connections – “social AI”

*DraftKings AI* *Fall 2016 – Present*

- Generates well-performing line-ups for daily fantasy NFL, NBA, MLB gambling contests (DraftKings)
- Web-scraped regression projects player points; knapsack algorithm picks team under budget constraints

*Xenia* *Fall 2016*

- Innovation Challenge Lab class: devise startup to reinvigorate languishing Lesvos (Greek) economy
- Mobile platform for cashless vendor-tourist transactions, transportation scheduling, attraction booking

*LuDO Activity Discovery Chatbot* *Fall 2016*

- Initializes, updates decision tree based on user input to provide Eventbrite event suggestions to user

*Handwritten Digit Classifier and Spam Filter* *Spring 2016*

- Fully implemented neural networks, decision trees, Gaussian classifiers, SVMs in Python