

## Education

- University of California, Berkeley – Expected Graduation: May 2018
- B.S. Electrical Engineering and Computer Science – **GPA: 4.0/4.0**
- Relevant Coursework: Advanced Algorithms (CS170)      Artificial Intelligence (CS188)  
Computer Architecture (CS61C)      UNIX System Administration (CS9E)  
Data Structures (CS61B)      Intro to Computer Programming (CS61A)

## Professional Experience

### **CS70 COURSE READER AND TUTOR, UNIVERSITY OF CALIFORNIA BERKELEY: BERKELEY, CA – AUGUST 2015 - PRESENT**

- Dedicated 5-6 hours a week to holding office hours, leading homework parties, and grading exams for 600 students

### **SOFTWARE DEVELOPER INTERN, BCL TECHNOLOGIES: SAN JOSE, CA – JUNE 2015 - AUGUST 2015**

- Implemented a module that classifies financial documents using a weighted Naive Bayes ML algorithm
- Experimented with power distribution, TF-IDF, and normalization transforms to optimize the classifier and used k-fold cross validation and F1 score to evaluate the its accuracy (87%)
- Designed a web demo presentation using ASP.NET framework with HTML, CSS, and Javascript, which the CEO presented to clients to successfully pitch the National Science Foundation-sponsored product

### **TECHNICAL COORDINATOR INTERN, ASUC ELECTIONS: BERKELEY, CA – JANUARY 2015 - MAY 2015**

- Improved the Python application currently used by the student government to tabulate votes by simplifying code logic, fixing bugs, writing documentation, and creating comprehensive unit tests
- Maintained and updated the official elections website to correspond with current events

### **SOFTWARE ENGINEER EXTERN, MYVEST CORP: SAN FRANCISCO, CA – JANUARY 2015**

- Assisted with implementing a new authentication protocol based on OAuth 2.0
- Configured OAuth 2.0 for Spring Security with the existing IP authentication server

## Programming Projects

### **GITLET VERSION CONTROL – JAVA – MARCH 2015**

- Built a version control software based on Git from scratch with features like add, remove, commit, and checkout as well as more advanced operations like reset, merge, and rebase
- Analyzed time and memory efficiency tradeoffs of different design decisions regarding the Git tree

### **KITTY-A-GOGO – MONGODB, EXPRESSJS, ANGULARJS, NODEJS – JANUARY 2015**

- Created a website interface in which a user can upload, upvote, and comment on cat videos
- Established a MVC model able to inject and remove data dynamically into the site with AngularJS
- Piped all dependencies onto the NodeJS/ExpressJS server including Mongoose models, the MongoDB database, Express body parsers, and Angular routing paths

## Technical Skills

- Languages: Java, Python, HTML, CSS, Javascript, SQL
- Frameworks: AngularJS, NodeJS, ExpressJS, Mongoose, MongoDB
- Software: UNIX, Mac OS, Sublime, Eclipse, Visual Studio, Git, CyberDuck, Wordpress

## Honors & Awards

- HKN Initiation (2015): Invites top 25% of EECS students with junior and senior standing to the EECS honors society
- Edward Frank Kraft Scholarship (2015): Finished the first year with a course load of over 13 units and a GPA of 4.0.
- Berkeley Undergraduate Scholarship (2014): Awarded to 10% of Berkeley undergrads based on scholastic merit
- Mu Alpha Theta Scholarship (2014): Commends 2 members of a Mu Alpha Theta chapter for community involvement
- National Merit Finalist (2014): Rewards 3% of high school students nationwide for academic achievement

## Skills & Hobbies

- Sings in a cappella; Plays guitar, flute and the piano