Justin **Hong**

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Education

University of California Berkeley *Berkeley, CA*

Computer Science and Molecular and Cellular Biology Double Major *Expected Graduation Date: May 2019*

- Cumulative GPA: 4.0
- Dean's List, Top 4% in the College of Letters and Science, University of California Berkeley

Technical Skills

- Experienced in Python, Java, C, R, Perl
- Relevant Coursework: CS61A (Structure and Interpretation of Computer Programs), CS61B (Data Structures), CS61C (Machine Structures), CS70 (Discrete Mathematics and Probability), CS170 (Algorithms), CS188 (AI), EE16A (Intro EE)
- Trilingual: Fluent in English, limited working proficiency in Korean, and French

Honors & Awards

May 2016 **Class Scholar**, Honor awarded to the top ten students of the graduating class *Acton, MA*

May 2015 **Bronze Medalist in Experimental Design**, National Science Olympiad Competition *Lincoln, Nebraska*

Experience

Affinity *San Francisco, CA*

Software Engineering Intern *May 2017 - Present*

- Working with full-time team on the main product, an intelligent customer relational management tool which answers difficult questions through information scraped from the user's emails.
- Full-stack: Scaling/Infrastructure with Ruby, Sinatra backend, front-end with React.js

University of California, Berkeley *Berkeley, CA*

CS61A Tutor *Sep. 2016 - Mar. 2017*

- Teaching and reviewing introductory computer science concepts such as higher-order functions and recursion.
- 8 hours a week holding tutoring sessions, helping at office hours and project parties.

Research, Energy and Biosciences Institute(Prof. Brem) *Berkeley, CA*

Undergraduate Researcher *July 2016 - March 2017*

- Conducted experiments and analyzed data concerning polygenic evolution of yeast species through the methods of TnSeq and the reciprocal hemizygosity test.
- Wrote R and Perl script to computationally analyze both primate expression data and sequence data in search of evidence for natural selection relative to phylogenetic trends.

Personal Projects

Fall 2016 **Ship. A twist on the traditional dating app.**, Project developed within 36 hours during Calhacks 3.0 using Ruby on Rails and React.js

Sum. 2016 **Analysis of Primate Expression and Sequence Data**, Computational research utilizing the R PIGShift library and BioPerl modules.

Spr. 2016 **Text Editor**, Created using Java and JavaFX libraries (CS61B project).

Wtr. 2015 **Snake Game**, A spinoff of the classic snake game playable in the terminal window created using Python ncurses and sqlite3 libraries.

Extracurricular Activity

Upsilon Pi Epsilon *Berkeley, CA*

Member *Sp. 17 - Present*

- Membership extended to top-third of declared CS students.

Cal Badminton *Berkeley, CA*

Officer - Webmaster *Fa. 17 - Sp. 18*

- Developing a queueing app in Ruby and JS to reduce the frequency of mismatched games during open gym.

Science Olympiad *Acton, MA*

National Competition Team Member *Sep. 2011 - May 2019*

- Individual Events in Anatomy and Physiology, Cell Biology, Experimental Design.
- Mentored younger members in preparing for regional competitions by creating study sheets and gathering resources.
- Participated in state and national level competitions, medaling in over eight individual events.