

Justin Hong

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

COMPUTER SCIENCE AND MOLECULAR AND CELLULAR BIOLOGY DOUBLE MAJOR

Expected May 2019 | Berkeley, CA

Cumulative GPA: 4.0/4.0

Awards:

The Jim and Donna Gray Endowment Award: Awarded to students in their junior year who have demonstrated both high scholastic achievement and financial need.

Relevant Coursework:

Operating Systems (CS162) - concurrent, Linear Algebra (MATH110) - concurrent, Algorithms (CS170), Artificial Intelligence (CS188), Intro EE (EE16A), Discrete Mathematics and Probability (CS70), Machine Structures (CS61C), Data Structures (CS61B), Structure and Interpretation of Computer Programs (CS61A)

EXPERIENCE

AFFINITY | SOFTWARE ENGINEERING INTERN

May 2017 – Aug 2017 | San Francisco, CA

- Worked across the full stack to implement new features and improve UX for a smart CRM product.
- Sinatra (Ruby) backend, front-end with React.js.
- Pushed over 4000 lines of reviewed code to production.

INTERNATIONAL COMPUTER SCIENCE INSTITUTE | UNDERGRADUATE RESEARCHER

Sep 2017 – Present | Berkeley, CA

- Moved the ECG project to AWS, to allow for anyone to use the product without machine limitations.
- Expanded on the existing work on NLU with Starcraft, adding more strategic commands to also aid a cooperating research group with a Starcraft bot.

UC BERKELEY EECS DEPARTMENT | CS61A UNDERGRADUATE STUDENT INSTRUCTOR

Aug 2017 – Present | Berkeley, CA

- Taught and reviewed introductory computer science concepts such as higher-order functions and recursion.
- Constructed grading rubrics designed to evaluate students fairly on exam questions.

PROJECTS

SHIP

Oct 2017

- A twist on the traditional dating app, allowing a user to partner two other people to chat.
- Project developed within 36 hours during CalHacks 3.0 using Ruby on Rails and React.js.

ANALYSIS OF PRIMATE EXPRESSION AND SEQUENCE DATA

Jun 2017 - Jul 2017

- Computational research utilizing the R PIGShift library and BioPerl modules.

LANGUAGES

PROGRAMMING

Proficient:

Python • Java • JavaScript • Ruby

Familiar:

C • R • Perl • SQL

SPOKEN & WRITTEN

Native fluency:

English

Working Proficiency:

Korean, French