Justin Hong

✉ jjhong922@berkeley.edu | 📱 978.339.3108 | 💼 hongjustin | 🐙 jjhong922

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
Relevant Coursework:
Operating Systems (CS162) - concurrent, Linear Algebra (CS110) - 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

CS61A UNDERGRADUATE STUDENT INSTRUCTOR | UC BERKELEY
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.

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.

ENERGY AND BIOSCIENCES INSTITUTE (PROF. BREM) | UNDERGRADUATE RESEARCHER
Jul 2016 - Mar 2017 | Berkeley, CA
- 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 scripts to computationally analyze both primate expression data and sequence data in search of evidence for natural selection relative to phylogenetic trends.

PROJECTS

BADMINTON OPEN GYM QUEUE
In Progress
- Designed to allow easy access to queue order and to reduce the frequency of uneven matches.

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