

Ken Chen

✓ kenchen@berkeley.edu

EDUCATION

University of California, Berkeley

GPA: 3.95 overall, 4.0 major

B.A. COMPUTER SCIENCE, 2019

- Database Systems
- Internet Architecture
- Computational Photography
- Computer Architecture and Design
- Efficient Algorithms and Intractable problems
- Data Structures and Algorithms
- Data Computing in R

EXPERIENCE

Heartflow, Inc.

June 2017 - Aug. 2017

SOFTWARE ENGINEERING INTERN

- Worked on the backend team to build data staging systems to support development and verification of algorithms for CT scan analysis and blood flow simulations.
- Interfaced with Django API and AWS S3 to design end to end integration tests to verify entire product workflow.

Blueprint, Technology for Non-Profits

Sept. 2016 - Present

PROJECT LEADER / DEVELOPER

- Built a scalable web platform for non-profit Roots of Success to host course modules and teach those in underserved communities the skills needed for environmental careers.
- Used Ruby on Rails and ReactJS to create features including student and administrator course dashboards and the ability to add audio, teaching slides, multimedia video, and progress quizzes.
- Led a team of 4 developers and deployed app to non-profit in April 2017.

HBI Solutions, Inc.

June 2016 - Aug. 2016

SOFTWARE ENGINEERING INTERN

- Built a deep learning architecture to assess patients' risk factors for contraction of certain diseases and readmission to hospital based on health data from global databases (Healthix, HealthInfoNet).
- Improved sensitivity of the acute myocardial infarction (heart attack) model by 44% comparing areas under ROC plots.

Stanford Cardiovascular Intensive Care Unit

June 2016 - Dec. 2016

DEVELOPER

- Created an iOS app using Swift, Xcode, NodeJS, and MySQL for doctors and nurses within Stanford's CVICU to easily log and retrieve patients' surgical complications in real-time.

Indiegogo / Berkeley Innovation

Jan. 2016 - June 2016

PRODUCT DESIGN CONSULTANT

- Worked with Indiegogo through Berkeley's human-centered design club to redesign their entrepreneur support platform.
- Our project proposed new profile pages for innovators that are streamlined with Indiegogo's initiative to support them across a longer lifespan.

SKILLS

PROGRAMMING LANGUAGES

Python, Javascript, Ruby, Java, C, MIPS
Assembly

WEB

Ruby on Rails, React, Django, Express,
HTML, CSS

MOBILE

React Native, Swift/Xcode

DATA SCIENCE

Tensorflow, R/RStudio

DESIGN

Photoshop, Sketch, Illustrator, InDesign

AWARDS

- National Chemistry Olympiad Finalist (USNCO)
- MIT Leadership Award
- Science Olympiad States 1st Place Team; individual 2 Gold, 5 Silver, 3 Bronze Medals
- American Invitational Mathematics Exam (AIME) qualifier, 2012 - 2015

LINKS

PROGRAMMING PROJECTS

github.com/Lbkchen

PERSONAL WEBSITE

kenchen.io

LINKEDIN

linkedin.com/in/kenzchen

DESIGN

behance.net/ken-chen