

KAIWEN ZHOU

kaiwenzhou@berkeley.edu – kaiwenzhou.me – Berkeley, CA

EDUCATION

University of California Berkeley:

B.S. Electrical Engineering and Computer Sciences (Expected – May 2019)

GPA – 3.79, **Awards:** *Eta Kappa Nu (HKN)*, *Tau Beta Pi (TBP)*, *Dean's List* – Fall 2015 & Spring 2016

Relevant Coursework:

CS61B – Data Structures

CS188 – Artificial Intelligence

CS61C – Great Ideas in Computer Architecture

CS170 – Algorithms

CS186 – Introduction to Database Systems

CS194-26 – Computational Photography

CS162 – Operating Systems and Systems Programming

CS189 – Introduction to Machine Learning

SKILLS

Languages: Python, Java, C, LaTeX

Software: Git, GDB

WORK EXPERIENCE

Software Engineering Intern: Yelp

9/2018 – Present

- Designed numerous full-stack features in Python and JS for BizE, a moderation queue system.
- Working on miscellaneous tickets on services owned by the Data Quality team, which works on infrastructure to improve the accuracy of Yelp's business data and source new useful data.

Software Engineering Intern: Amazon

5/2018 – 8/2018

- Developed transaction generator in Java that produces up to 10K transactions per second by reading and replaying prod traffic into Picasso, an advertising data processing service, for the purposes of improving quality of scale and integration testing

Software Engineering Intern: Bank of America Merrill Lynch

6/2017 – 8/2017

- Implemented UI improvements to Titan, a portfolio equities trading platform written in Java
- Added functionality to the trader platform that allows the user to query the history of stock orders

PROJECTS

Automatic Mosaic Stitching:

11/2017

- In Python, implemented algorithm to create autostitched image mosaics (Brown et al. 2005)

Face Morphing:

10/2017

- Created program using Python and scikit-image packages to generate a smooth morph sequence between two photos of faces

Gradient Domain Fusion:

10/2017

- Using Python, implemented Poisson blending (Perez et al. 2003) to seamlessly blend an object from a source image into a target image

Pintos Operating System:

10/2017

- Built an x86 operating system in C with minimal starter code; implemented synchronization primitives, thread scheduling, system calls, program execution, and file system interaction

LEADERSHIP

Berkeley Associate: Nav Talent

2/2018 – 5/2018

- Built honest and meaningful relationships within the Berkeley computer science community while connecting students with unique startup opportunities

Industrial Relations Officer: Eta Kappa Nu (HKN) (EECS Honor Society)

5/2016 – 5/2017

- Fostered connections between students and industry by acting as a student liaison, hosting 15+ info sessions, tech talks, and lunch events with companies such as Snapchat, Google, and Stripe
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