

# Eric Chang

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## EDUCATION

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### University of California, Berkeley

*Bachelor of Arts in Computer Science*

Berkeley, CA

*Expected: May 2022*

## SKILLS

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**Languages:** Java, Python, C, SQL, Scheme, JavaScript, HTML/CSS, R, RISC-V Assembly

**Developer Tools:** Git, VS Code, Visual Studio, IntelliJ

## EXPERIENCE

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### Academic Intern - UC Berkeley EECS Department

06/2020 - 08/2020

*Data Structures Academic Intern*

*Berkeley, CA*

- Helped teach 25+ students course topics such as Dijkstra's, Union-Find, Hashtables, Red-Black Trees, etc.

### Research Internship - UC San Diego

06/2018 - 08/2018

*Research Intern under Dr. Chung-Kuan Cheng*

*San Diego, CA*

- Produced two formal papers listed below
- *Empirical Study on the Numbers of Distinct Minimum Cuts in Strongly Connected Directed Random Graphs* - published in *Networks: An International Journal*
- *Cuffless Blood Pressure Monitoring with a 3-Axis Accelerometer* - presented at the 2019 IEEE EMBC conference in Berlin

### California State Summer School for Mathematics and Science

07/2017 - 08/2017

*UC San Diego*

*San Diego, CA*

- Worked and gained experience with Python, circuits, Audacity, Pd, Raspberry Pi and Arduino
- Researched the application of machine learning to audio files for a novel approach to audio style transfer

## PROJECTS

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|   | Github: |
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| <b>Gitlet</b>   <i>Java</i>   | Github: Private Repo |
| • Developed a basic version control system similar to Git   |                      |
| • Designed and implemented file storing structures and basic version control functionality such as committing, branching, merging, and creating remotes |                      |