

Adi Zimmerman

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Education

University of California, Berkeley

Aug 2016 — Dec 2019

- B.A. Computer Science, Dec 2019. GPA: 3.6/4.0.
- Coursework: Data Structures, Algorithms, Computer Architecture, Operating Systems, Machine Learning, Artificial Intelligence, Security, Databases, Discrete Math, Linear Algebra, Probability Theory.

Employment

Lyft, Marketplace Dispatch — Software Engineering Intern

May 2019 — Aug 2019

- Built a scalable, reliable per-driver observability system from database to API level that captured and alarmed on ~20k supply failures per matching cycle.
- Isolated 30 supply failure reasons in complex legacy Python codebase as input to observability system.
- Designed an algorithm for editable party size on shared rides that decreased unmatched cancel rate by 1.6%.
- Worked primarily in Go and Python.

Cisco, Kinetic IoT — Software Engineering Intern

May 2018 — Aug 2018

- Built lightweight, distributed IoT message broker designed for high horizontal scalability and flexible deployment on cloud or on-premise.
- Worked primarily in Java.

Marvell, Embedded Platform — Software Engineering Intern

June 2017 — Aug 2017

- Developed IoT networking protocol between ESPRESSObin single-board computer and external devices.
- Worked primarily in Python and C.

Research

Berkeley RISElab — Ray Tune, Scalable Hyperparameter Search

Jan 2019 — May 2019

- Ported ask and tell search algorithms for usage on Tune (scikit-optimize, Facebook's Nevergrad and Ax).
- Led design and implementation of Tune's RESTful web server and post experimentation analysis tools.
- Iterated and improved on user-facing documentation and tutorial.

Personal Projects

- <https://github.com/adizim/blackjack> Play blackjack on the command line. Python.
- <https://github.com/adizim/cellular-automaton> Generate elementary automaton in bitmap format. Python.
- <https://hackersearch.herokuapp.com> Search for top stories from social news website Hacker News. React.
- <https://thegoodbooks.herokuapp.com> A website platform to search for, discuss, and review books. Flask.

Achievements

- CS189 Kaggle Competition (2019): top 16% of 574 class in predicting one out of eight functional movements from a video dataset using convolutional neural networks.
- Academic Intern (2017/2018): supported students through weekly labs, homework, and projects.
- San Francisco Symphony Youth Orchestra Clarinetist (2015/2016): part of four person section.

Languages and Technologies

- Programming: Python, Go, Java, C, HTML/CSS, Javascript, SQL, RISC-V Assembly.
- Technologies: Unix, Git, Vim, AWS, Spark, Docker, Jenkins, Scipy Ecosystem.
- Languages: English, Hebrew.