# Caren Zeng
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San Francisco Bay Area, Chicago Area
Github: czeng07

## Education

2016-2020 **University of Illinois at Urbana Champaign** | Computer Science, College of Engineering | GPA: 3.82
- CS 125 -- Introduction to Computer Science (Java Course) | Grade: A
- CS 196 -- CS 125 Honors Section, project-based. Specialization: Data Science | Grade: A+
- CS 126 – Software Design Studio | *In Progress*
- CS 199 – Applied Cloud Computing | *In Progress*
- CS 225 – Data Structures (C++ Course) | *In Progress*

Sum. 2016 **De Anza Community College | Cupertino, CA**
- CIS22A – Beginning Programming Methodologies in C++ | Grade: A

2012 - 2016 **Mission San Jose High School | Fremont, CA** | High Honors, AP Scholar Commendations
- High School Diploma-- UW GPA: 3.86/4.

## Skills

**Languages:** Python, Java, C++, R
**Software:** Microsoft Office Suite, Photoshop, Illustrator, R Studio
**Tools and Packages:** OpenCV, Data Visualization (Numpy, Pandas, Matplotlib), WebScraping, APIs, Git, Github

## Experience

Aug. 2016-*pre.* **Pictomelody | Team Member**
*Project for CS 196 – Web application that generated music from image based off pixel intensities, average colors, edges*
- Worked with OpenCV to use object recognition to detect shapes/objects present in an image
- Created Django-backend and templated front-end with Jinja

2016- *pre.* **The Golden Experiment | Chief of Technology and Financial Officer | San Francisco Bay Area**
*STEM education 501c3 Non-profit*
- Creating TheXperiment Network web-application for student-mentor interaction using Node.js, Express.js, React
- Serve as webmaster for website, in charge of SEO

Sum. 2016 **Google Code Corps | Summer Cohort | North San Mateo County**
*Google, Boys and Girls Club of America, and Americorps' computer science program for youth*
- Taught students gr. 4-8 **Scratch and CS Core Curriculum** using Google's **CS First Curriculum**
- Taught week-long boot-camp with CS First Curriculum, youth-friendly tech

## Leadership and Involvement

Jan. 2017 – *pre.* **CS 196 | Course Assistant**
*Honors section for CS 125, the introductory CS course for CS freshmen*
- Serve on the Executive Course Leadership Team overseeing course operations
- Lead code reviews with students in groups of 4-6

Jan. 2017 – *pre.* **Reflections | Projections 2017 | Director of Outreach**
*The annual student-run tech conference at UIUC*
- Responsible for leading event's marketing and branding efforts to the school and external world

Sept. 2016 – *pre.* **HackIllinois 2017 | Outreach Staff Member**
*The annual major hackathon at UIUC*
- Responsible for obtaining sponsorships from corporate and startup companies to sponsor event