

VINCENT CHIANG

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OBJECTIVE Motivated full-stack engineer and data scientist passionate about developing for social good.

EDUCATION **University of California, Berkeley** August 2017 - (May 2021)
B.A. Computer Science and Data Science, GPA: 3.83 / 4.0
Relevant Coursework: Data Structures, Structure and Interpretation of Programs, Linear Algebra, Foundations of Data Science, Discrete Math and Probability, Principles and Techniques of Data Science, Machine Structures*, Efficient Algorithms* (* Spring 2019 courses)

SKILLS **Programming:** Python, Java, HTML/CSS, JavaScript, PHP, Flask, Bootstrap, jQuery, C*, Node.js*, React* (* currently learning)
Data Science: Pandas, SQL/MySQL, Seaborn, NumPy, Scikit-learn, Regex, Matplotlib, Stata-13, Tensorflow*

EXPERIENCE **Launchpad | AI + ML Student Developer** January 2019 - Present

- Student developer at UC Berkeley's premiere AI/ML organization. Currently working on project that classifies food images using neural networks, Tensorflow, NumPy, and Scikit-learn. Working with 100k images from the UPMC Food-101 dataset
- Attend weekly workshops on ML topics ranging from backpropagation to GANs to convolutional neural networks

UC Berkeley EECS | Academic Intern: Principles of Data Science (CS C100) January 2019 - Present

- Assist current students at office hours and labs, help students with data science topics including distributed computing, introductory machine learning, bootstrap estimation, stochastic gradient descent, etc.
- Assist students with Python packages including Pandas, Matplotlib, scikit-learn, NumPy

The Berkeley Project | Full-Stack Web Developer September 2018 - Present

- Currently building internal application management portal using Node.js, React, and JavaScript. Committee member & volunteer at UC Berkeley's largest volunteer organization (organize events with 1.5k people, saves the city of Berkeley \$50,000)

Fireflies.ai | Data & Business Operations Intern January 2018 - August 2018

- Built internal sales visualization dashboard with JavaScript and SQL, using data pulled from HubSpot
- Redesigned blog website with HTML/CSS/Wordpress. Designed and executed 20+ email automation campaigns with Autopilot and Mailchimp, SEO optimized 30+ blog posts. Worked with engineering and design teams to strengthen product branding

PROJECTS **SmartPortal @ JPMorgan Code for Good** October 2018

Technologies Used: PHP, MySQL, JavaScript, HTML/CSS, jQuery, Bootstrap

- Selected and sponsored to attend all-expenses paid trip for Code for Good in Plano, TX. Interviewed and worked with nonprofit SER Houston to revamp their online job application for user-friendly, notification-based design
- Built full-stack web application, implemented notification features like SMS text reminders with PHP, modal lightboxes for controlled notification, and input validation with regex. Designed, tested, and presented in under 24 hrs.

Hospitality App June 2018 - August 2018

Technologies Used: Flask/Python, MySQL, SQLAlchemy, HTML/CSS, JavaScript, Bootstrap

- Built app that recommends nearby hospitals based on medicare coverage for major diagnoses like pneumonia & heart failure
- Organized + queried 163,000 rows of hospital data for all 50 states, used Google Distance Matrix, Geocoding, and Maps APIs
- Features dynamic distance calculations and hospital mappings with SQLAlchemy

Splash @ San Jose Developer Camp November 2017

Technologies Used: HTML/CSS, JavaScript, jQuery, Firebase, Node.js

- Developed game to educate children on water pollution and conservation, mentored by co-creator of Twitter Dom Sagolla
- Won "Most Educational App" Award, awarded \$200+ in prizes, designed and created in under 48 hours
- Animated Sprite characters using JS — all illustrations hand-drawn on Adobe Illustrator, implemented front-end audio features

BearMaps April 2018

Technologies Used: Java, XML, JUnit, Apache Maven

- Programmed backend of app that rendered map of Berkeley, rastered 200+ images to support smooth scrolling and zooming
- Parsed XML OSM files to create graph structures — mapped fastest routes between 100+ locations in Berkeley

ORGANIZATIONS **Computer Science Scholars | EECS @ UC Berkeley** August 2017 - Present

- Admitted to selective, diversity-initiative program that provides specialized sections in core CS classes
- Participate in academic development programs, network with CS faculty, given priority for CS department resources

Upsilon Pi Epsilon (CS Honors Society) | EECS @ UC Berkeley January 2019 - Present

- Membership offered to the top third of CS majors at UC Berkeley. Working in the publicity committee of UPE to boost apparel sales and social media presence. Attend workshops on technical and professional development.