

Alexander Pan

CONTACT INFORMATION	2732 Haste St. Apt #43 Berkeley, CA 94705 USA	Cell: (248) 974-4099 E-mail: alpan@berkeley.edu Websites: alexpan.me, github.com/alexspan
EDUCATION	University of California, Berkeley , Berkeley, California USA B.A. Computer Science; Expected May 2019 <ul style="list-style-type: none">• GPA: 3.84/4.00• Relevant Coursework: Image Processing & Computational Photography, Database Systems, Artificial Intelligence, Data Structures, Algorithms, Computer Architecture, Computer Security, Discrete Math & Probability Theory, Linear Algebra	
EXPERIENCE	Valor Water Analytics , San Francisco, California USA <i>Software Engineering Intern</i> June, 2017 - August, 2017 Optimized performance speed of an algorithm identifying water meter under-registration, reducing its runtime by 92% and allowing for scalability on larger data sets. Converted existing python code to a cloud-based SQL implementation on AWS Redshift. Improved algorithm precision by implementing anomaly detection logic and smoothing on time series data. Wrote unit tests and reduced external dependencies to ensure production-level code quality. Innovative Design , Berkeley, California USA <i>Web Developer</i> January, 2017 - Present Worked with a team of 4 to create websites for on-campus organizations as part of a student-led creative agency. Used React as a user interface framework to build and design a responsive, updatable website for the Cal Lightweight Crew team.	
PROJECTS	<i>findfrisbee.com</i> (Web Application) Developed a unified platform for organizing Ultimate Frisbee events in order to grow the sport and provide convenience. Built with Python Flask and deployed on Heroku. Includes a user and event SQL database and a time-sorted display with attendance/hosting options. <i>Typelearn</i> (PC Game) Built a terminal-based productivity game in Python, designed to improve typing speed while staying up-to-date with current events. Calculates WPM and generates text using the Reddit API to pull interesting, relevant news articles. <i>alexpan.me</i> (Personal Website) Created a website using HTML, CSS, and Javascript to showcase my coding projects and design portfolio. Incorporates universal visual design principles and custom vectors from Adobe Illustrator.	
SKILLS	Computer Languages <ul style="list-style-type: none">• Proficient in Python, SQL, Java, C; Familiar with HTML & CSS, LaTeX Programming Tools <ul style="list-style-type: none">• Git, Tableau, Flask, React, Amazon Redshift, Bootstrap	
INTERESTS AND ACTIVITIES	<i>Cal Men's Ultimate Frisbee Team (5th at Regionals)</i> August, 2015 - Present <i>Bay Area Mixed Youth Ultimate Frisbee Team (2nd at Nationals)</i> June, 2016 - August, 2016 <i>San Francisco Dogfish Professional Ultimate Frisbee</i> February, 2016 - June, 2016	