

# Alexander Pan

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CONTACT INFORMATION	2732 Haste St. Apt #43 Berkeley, CA 94704 USA	Cell: (248) 974-4099 E-mail: alpan@berkeley.edu Websites: alexpan.me, github.com/alexspan
EDUCATION	<b>University of California, Berkeley</b> , Berkeley, California USA B.A. Computer Science; Expected May 2019 <ul style="list-style-type: none"><li>• GPA: 3.84/4.00</li><li>• Relevant Coursework: Image Processing &amp; Computational Photography, Database Systems, Artificial Intelligence, Data Structures, Algorithms, Computer Architecture, Computer Security, Discrete Math &amp; Probability Theory, Linear Algebra</li></ul>	
EXPERIENCE	<b>Valor Water Analytics</b> , San Francisco, California USA <i>Software Engineering Intern</i> <b>June, 2017 - August, 2017</b> 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. <b>Innovative Design</b> , Berkeley, California USA <i>Web Developer</i> <b>January, 2017 - Present</b> 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"><li>• Proficient in Python, SQL, Java, C; Familiar with HTML &amp; CSS, LaTeX</li></ul> Programming Tools <ul style="list-style-type: none"><li>• Git, Tableau, Flask, React, Amazon Redshift, Bootstrap</li></ul>	
INTERESTS AND ACTIVITIES	<i>Cal Men's Ultimate Frisbee Team (5th at Regionals)</i> <b>August, 2015 - Present</b> <i>Bay Area Mixed Youth Ultimate Frisbee Team (2nd at Nationals)</i> <b>June, 2016 - August, 2016</b> <i>San Francisco Dogfish Professional Ultimate Frisbee</i> <b>February, 2016 - June, 2016</b>	