MICHAEL LI

📞 714.209.2615 | ✉ michael.li@berkeley.edu | 🌐 www.michaelli.me

EDUCATION	**UC Berkeley**	Berkeley, California	Expected May 2020	GPA: 3.7 *Management, Entrepreneurship, & Technology Program* • B.S. of Electrical Engineering & Computer Science • B.S. of Business Administration Relevant Coursework: Structure and Interpretation of Computer Programs, Designing Information Devices and Systems I, Principles of Business, Data Structures, Discrete Mathematics and Probability Theory (Planned)
SKILLS	**Programming:** Python, HTML, CSS, Javascript, Node.js, Java, SQL **Technical Skills:** PCB Circuit Design, 3D CAD Sketching & Modeling **Spoken Languages:** English, Mandarin
EXPERIENCE	**BerkeleyTime** *Software Engineer	Sept 2017 - Present* • Developed in Django, React, and HTML/CSS/JS on Berkeley's most popular course catalog to serve 100,000+ unique users annually • Implemented scheduler feature to streamline selection of 12,000+ courses from the Berkeley catalog and generate 20,000+ personalized student calendars **Ocean Exploration Trust** *Software Engineering Intern	Summer 2016* • Design and produced satellite-tracked ocean surface drifters aboard Dr. Robert Ballard's Exploration Vehicle *Nautilus* which reduced material costs by 20% • Developed live tracking web app using JavaScript that processed GPS coordinates of ocean drifters and enabled us to plot their 3,000-mile journey along the coast **Coding Cadet** *Co-Founder	2015 – 2017	www.codingcadet.com* • Designed a 20-chapter curriculum to teach web development (HTML, CSS, Javascript) to 150+ underprivileged youth, creating a total of 36 student projects • Developed partnerships with 3 community libraries and trained a teaching staff of 16 to achieve a 100% program graduation rate
PROJECTS	**Stage Hand |** *CalHacks 4.0 Winner* • Personal speech trainer built in React that analyzes speech delivery in real time and provides analysis on speech emotional expression, pace of speech, and hesitancy • Developed custom language and acoustic models on Microsoft's Custom Speech Service to recognize user's speaking styles and vocabulary, increasing detection accuracy by 50% **Smart Box** • Home IoT hub built using Raspberry Pi and Flask web server to access automation functions remotely • Improved device communication and reliability, extending range of service by 15% **Nest Thermostat Virtual Chatbot |** *Hacktech Winner* • Azure Chatbot that utilizes Microsoft LUIS's natural language processing framework to controls Nest Thermostat devices, fully integrated with Skype, SMS, and Facebook Messenger • Trained machine learning model's language understanding, increasing command comprehension by 35%
HONORS	**CalHacks 4.0 –** Best Use of Microsoft Technology **Hacktech –** Best Beginner Hack, Best Use of Google App Engine