

# MICHAEL LI

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## EDUCATION

**UC Berkeley** | Berkeley, California | Expected May 2020

*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 (Planned), Discrete Mathematics and Probability Theory (Planned)

**Oxford Academy** | Cypress, California | Class of 2017

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## SKILLS

**Programming:** Python, HTML, CSS, Javascript, Node.js, Java, SQL

**Technical Skills:** Electronic Circuit Design, 3D CAD Sketching & Modeling

**Spoken Languages:** English, Mandarin

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## EXPERIENCE

**ASUC Office of the CTO, BerkeleyTime**

*Full Stack Engineer* | Sept 2017 - Present

- Creating new features on Berkeley's most popular course catalog; 100,000+ unique users annually
- Implementing scheduler feature to streamline course selection and calendar management

**Ocean Exploration Trust**

*Software Engineer* | Summer 2016

- Engineered satellite-tracked ocean surface drifters aboard Dr. Robert Ballard's Exploration Vehicle *Nautilus* on an expedition that explored the Southern California Margins
- Developed live tracking web application using JavaScript that processes GPS coordinates of ocean drifters and plots path in real time

**Coding Cadet**

*Co-Founder* | 2015 - 2017

- Designed organization's curriculum to teach web development (HTML, CSS, Javascript) and create advanced web applications
  - Developed partnerships with 3 community libraries to offer free lessons to 100+ youth
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## PROJECTS

**Stage Hand** | *CalHacks 4.0 Winner*

- Personal speech trainer 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

**Smart Box**

- Modular smart clock and home automation device built with modules for alarm, weather forecast, messages, and calendar
- Set up Apache HTTP server to access automation functions remotely

**Nest Thermostat Virtual Chatbot** | *Hacktech Winner*

- Utilized Microsoft LUIS's natural language processing framework to develop a virtual chatbot that controls Nest Thermostat devices
  - Integrated with Skype, SMS, and Facebook Messenger
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## HONORS

**CalHacks 4.0** – Best Use of Microsoft Technology

**Hacktech** – Best Beginner Hack, Best Use of Google App Engine