

# Michael Wu

## Contact

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## Languages

English Fluency  
Chinese Fluency  
Spanish Beginner

## Programming

R, SQL, Python, Java,  
Javascript, PHP, C++,  
Scheme, HTML, CSS,  
LaTeX

## Skills

Tools: Git, Vim, Android Studio, BlueJ, IntelliJ, Microsoft Suite, GSuite  
Frameworks: SciPy, Numpy, PyTorch, TensorFlow, Kera

## Experience

- |             |  |                               |
|-------------|--|-------------------------------|
| 2018 - Now  | <b>Berkeley China Summit</b><br><i>Public Relation Officer</i>   | Berkeley, United States       |
|             | <ul style="list-style-type: none"> <li>• Worked in teams of eight to invite notable speakers such as David Patterson, Alessandro Chiesa, and Zexiang Li</li> <li>• Responsible for creating the speaker information package</li> </ul>   |                               |
| 2018 - Now  | <b>Entrepreneurs @ Berkeley</b><br><i>Founder/Board of director</i>  | Berkeley, United States       |
|             | <ul style="list-style-type: none"> <li>• Scripted the E@B Website and Berkeley Startups application</li> <li>• Outreach with organizations such as SCET and the House, Studypool, etc for partnership and sponsorship</li> </ul>   |                               |
| 2017 - Now  | <b>Pioneers in Engineering</b><br><i>Web Development Committee/Mentor</i>  | Berkeley, United States       |
|             | <ul style="list-style-type: none"> <li>• Renovated the PiE website using HTML, CSS, JavaScript</li> <li>• Mentored the Oakland High School Robotic team in Spring 2018</li> </ul>  |                               |
| 2018        | <b>Equal Pay Co</b><br><i>Intern</i>   | Los Angeles, United States    |
|             | <ul style="list-style-type: none"> <li>• Built secure online survey form</li> <li>• Full stack Web development(PHP, Javascript(including JQuery), CSS, HTML), experimented with Redis and Amazon Web Service</li> </ul>  |                               |
| 2015 - 2017 | <b>South Pasadena High School Badminton Team</b><br><i>Founder/Captain</i>   | South Pasadena, United States |
|             | <ul style="list-style-type: none"> <li>• Worked with the South Pasadena Unified District and South Pasadena High school administration for over 2 years to start a new sport program, Organized sit-ins, parent meetings, petitions throughout the process</li> <li>• Wrote programs that automates tryout and practice attendance</li> </ul>  |                               |
| 2014 - 2016 | <b>Serial Events</b><br><i>Main Organizer</i>  | South Pasadena, United States |
|             | <ul style="list-style-type: none"> <li>• Chinese New Year Gala, Path To College Workshop, Financial Aid Workshop and Chinese Calligraphy Workshop</li> <li>• Responsible for planning fundraisers, coordinating volunteers, finding sponsors, and publicizing/promoting event</li> <li>• Events attracted around 300 audiences from around the district and were reported by worldJournal.com, mmgpmmedia.com, and the New Era TV News.</li> </ul> |                               |

## Education

- |             |   |  |
|-------------|---|--|
| 2018 - 2021 | <b>B.A</b> in Computer Science                | University of California, Berkeley             |
| 2016        | <b>Certificate</b> in Leading People and Team | University of Michigan Ross School of Business |

## Other qualifications

- |      |   |  |
|------|---|--|
| 2018 | <b>Benjamin A. Gilman International Scholarship</b> | United States Department of Education                |
| 2018 | <b>ISPE Hackathon Finalist</b>                      | International Society for Pharmaceutical Engineering |
| 2018 | <b>Lewis Athlete Scholarship Award</b>              | South Pasadena Athletic Department                   |

# Michael Wu

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## EDUCATION

### University of California Berkeley

College of Letter and Science

BA in Computer Science

Expected Grad. May 2021

### University of Michigan Ann Arbor

Ross School of Business Online

Certificate

Grad. June 2016

## SKILLS

### Programming

Proficient:

R, SQL, PHP, C++, Scheme

Expert:

Java, Javascript, Python

Frameworks:

SciPy, Numpy, PyTorch, Tensor, Kera

Tools:

Git, Eclipse, Android Studio, BlueJ,

IntelliJ

## COURSEWORK

- Data Structures
- The Structure and Interpretation of Computer Program
- Foundation in Data Science
- Web Data Visualization
- Design Information Devices and System I & II

## AWARDS

- Lewis Athlete Scholarship Award
- Benjamin A. Gilman International Scholar
- International Society for Pharmaceutical Engineering Hackathon Finalist

08.10.2018

## EXPERIENCE

### Entrepreneurs @ Berkeley

Founder/CTO/Board of Director

Feb 2018 – Present

Berkeley, CA

- Created Website adapted from Jalpc repository
- Built the Berkeley Startups web application using Django
- Lead a team of three for maintenance and other technology related tasks

### OptiWi-Fi

Intern

June 2018 - August 2018

Dublin, Ireland

- Automated database update in real time using PHP and Python
- Generated visualizations for WLAN channels using SQL, Javascript, and PHP
- Increased database query efficiency by 25%

## PROJECTS

### Style Transfer

Team Member

Feb 2018

Berkeley, CA

- Implemented Style Transfer on any two input images using PyTorch, and Tensor, autograd, and CNN.
- Learned techniques such as Gram Matrix, Gradient Descent, etc

### Kikaroo

ISPE Hackathon finalist

Jan 2018

Berkeley, CA

- Prototyped Fetal Kicking Sensor using EMG, Arduino, Processing 3.0 and Android studio
- First place in the 2018 ISPE Hackathon

### Image Classifier (Cat or Dog?)

Team Member

Nov 2017

Berkeley, CA

- Implemented cat and dog classification model using 6500 images using CNN, Kera, Sklearn PCA, and Matplotlib.

### School Finance System Analysis

Team Member

Oct 2017

Berkeley, CA

- Experimented with CNN, Kera, Matplotlib and Sklearn PCA and applied methods such as linear regression, logistic Regression, Backward Stepwise Selection and Random Forest Decision Tree on dataset from US Department of Education