

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 | Berkeley China Summit
<i>Public Relation Committee Officer</i> | Berkeley, United States |
| | <ul style="list-style-type: none"> • Worked in teams of eight to invite notable speakers such as David Patterson, Eric Betzig, and Carol Christ • Responsible for the Entrepreneurship Panel and creating the Speaker Information Package. | |
| 2018 - Now | Entrepreneurs @ Berkeley
<i>Founder/Board of director</i> | Berkeley, United States |
| | <ul style="list-style-type: none"> • Created the E@B Website and Berkeley Startups application • Responsible of outreaching for partnership, sponsorship, and mentorship. | |
| 2017 - Now | Pioneers in Engineering
<i>Web Development Committee/Mentor</i> | Berkeley, United States |
| | <ul style="list-style-type: none"> • Renovated the PiE website using HTML, CSS, JavaScript • Mentored the Oakland High School Robotic team in Spring 2018 • Responsible for creating the Mechanical Team Fall 2018 Expo slides | |
| 2018 | Equal Pay Co
<i>Intern</i> | Los Angeles, United States |
| | <ul style="list-style-type: none"> • Built secure online survey form • Full stack Web development(PHP, Javascript, CSS, HTML), experimented with Redis and Amazon Web Service | |
| 2015 - 2017 | South Pasadena High School Badminton Team
<i>Founder/Captain</i> | South Pasadena, United States |
| | <ul style="list-style-type: none"> • 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 | |
| 2014 - 2016 | Serial Events
<i>Main Organizer</i> | South Pasadena, United States |
| | <ul style="list-style-type: none"> • Chinese New Year Gala, Path To College Workshop, Financial Aid Workshop and Chinese Calligraphy Workshop • Responsible for planning fundraisers, coordinating volunteers, finding sponsors, and publicizing/promoting event • Events attracted around 300 audiences from around the district and were reported by multiple newspaper and TVs. | |

Education

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

Other qualifications

- | | | |
|------|---|--|
| 2018 | Benjamin A. Gilman International Scholarship | United States Department of Education |
| 2017 | ISPE Hackathon Finalist | International Society for Pharmaceutical Engineering |
| 2017 | Lewis Athlete Scholarship Award | South Pasadena Athletic Department |

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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
- Discrete Math and Probability (In progress)

AWARDS

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

09.04.2018

EXPERIENCE

Entrepreneurs @ Berkeley

Founder/CTO/Board of Director

Feb 2018 – Present

Berkeley, CA

- Responsible for website maintenance and technology advise
- Built the Berkeley Startups web application using Django

OptiWi-Fi

Intern

June 2018 - August 2018

Dublin, Ireland

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

Berkeley Lawrence National Laboratory

Intern

September - Present 2018

Berkeley, CA

- Web API and web service development
- Creating endpoints for the new Materials Project API

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

Oct - Nov, 2017

Berkeley, CA

- Experimented with tools such as Kera, Matplotlib, and Sklearn
- Applied methods such as linear regression, logistic Regression, Backward Stepwise Selection and Random Forest Decision Tree.
- Implemented cat and dog classification model using 6500 images using CNN, Kera, Sklearn PCA, and Matplotlib.