

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

COMPUTER SCIENCE | GPA 3.56

Expected Grad. May 2021

Berkeley, CA

UNIVERSITY OF MICHIGAN, ANN ARBOR

Ross School of Business Online

Certificate in Leading People And Team

PASADENA CITY COLLEGE

CONCURRENT ENROLLMENT

COURSEWORK

- Survey of Computer Technology in Business
- C++ Programming
- 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)

SKILLS

PROGRAMMING

Experienced:

Python • Java • PHP • MySQL • HTML/CSS/JavaScript/JQuery •

Familiar:

C++ • Git

TOOLS/APPLICATIONS

Android Studio • IntelliJ • Eclipse • Microsoft Suite • Atom • Django

LINKS

Github: wuxiaohua1011

LinkedIn: michael-wu-50417610a

Personal Website:

wuxiahua1011.github.io

EXPERIENCE

LAWRENCE BERKELEY NATIONAL LABORATORY | INTERN

Sep 2018 – Present | Berkeley, CA

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

ENTREPRENEURS @ BERKELEY | FOUNDER/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%

EQUAL PAY CO | INTERN

Jan 2018 - Feb 2018 | Los Angeles, CA

- Built online survey to facilitate client evaluation according to Equal Pay's rubric
- Full stack web development(PHP, Javascript(including JQuery), CSS, HTML)
- Used Redis and Amazon Web Service

PROJECTS

STYLE TRANSFER | FEB 2018

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

KIKAROO JAN 2018

- 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?) OCT - NOV, 2017

- 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, utilizing CNN, Kera, Sklearn PCA, and Matplotlib.

HONORS/AWARDS

2017 Lewis Athlete Scholarship Award

2018 Benjamin A. Gilman International Scholar

2018 International Society for Pharmaceutical Engineering Hackathon Finalist