Michael Wu

Contact

349 Camino Verde
South Pasadena, CA
91030
United States

+1 (626) 417 5982

wuxiaohua1011
@berkeley.edu

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** — Berkeley, United States
Public Relation Committee Officer
- 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** — Berkeley, United States
Founder/Board of director
- Created the E@B Website and Berkeley Startups application
- Responsible of outreaching for partnership, sponsorship, and mentorship.

2017 - Now — **Pioneers in Engineering** — Berkeley, United States
Web Development Committee/Mentor
- 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** — Los Angeles, United States
Intern
- 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** — South Pasadena, United States
Founder/Captain
- 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** — South Pasadena, United States
Main Organizer
- 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
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

ENTREPRENUERS @ 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 form that access client company's status according to Equal Pay Co'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 two input 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 using 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