

# Michael Wu

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## EXPERIENCE

### BERKELEY FHL VIVE CENTER FOR ENHANCED REALITY | UNDERGRADUATE RESEARCHER

Sep 2018 – Present | Berkeley, CA

- Planned and designed user experience research, responsible for logistic, equipments, and solving technical difficulties
- Lead by Mohammad Keshavari, supervised by Dr. Allen Yang

### LAWRENCE BERKELEY NATIONAL LABORATORY | INTERN

Sep 2018 – Present | Berkeley, CA

- Created endpoints for the new Material Project API through iterative review process
- Implemented the Optimade API using Lark and PQL, and wrote extensive unittest

### ENTREPRENEURS@BERKELEY | FOUNDER/BOARD OF DIRECTOR

Feb 2017 – Present | Berkeley, CA

- Bootstrapped the current website using Jekyll, revamping with Django to facilitate nontechnical user updates
- Initiated partnership with organizations such as Berkeley Entrepreneurship Association, SkyDeck, The House, etc

### OPTI-WIFI | INTERN

June 2018 – Aug 2018 | Dublin, Ireland

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

## PROJECTS

### STYLE TRANSFER | MEMBER

Feb 2018

- Mentored by Richar Liaw to implement Style Transfer on two images by using TensorFlow and Pytorch to implement CNN, Gradient Descent, and etc.
- Github link: <https://github.com/wuxiaohua1011/sp18-ulab-computervision>

### KIKAROO | TEAM LEAD

Jan 28

- Led a team of 4 to prototype a fetal kicking sensor, resulting in First Place in the ISPE Hackathon
- Prototyped a capacitance touch pad that would detect a kick and an Android Application for user interface
- Github Link: <https://github.com/wuxiaohua1011/HackforHumanity2018>

## EDUCATION

### UNIVERSITY OF CALIFORNIA, BERKELEY | B.A. IN COMPUTER SCIENCE

Expected June 2021 | Berkeley, CA • Cum. GPA: 3.56/4.0

### UNIVERSITY OF MICHIGAN, ANN ARBOR | CERTIFICATION IN LEADING PEOPLE AND TEAM

Ross School of Business (Online) | Jan 2016 - April 2016

## OTHER

### PROGRAMMING

Experienced:

Java • Python • JavaScript • HTML/CSS

Beginner:

MySQL • PHP • C++ • Bash • C#

Platform/Tools:

Android Studio • IntelliJ • Unity • Git • VisualStudio

### LINKS

- <https://wuxiaohua1011.github.io/>
- LinkedIn: michael-wu-50417610a
- Github: wuxiaohua1011
- Facebook: wu.michael.1420