

Michael Wu

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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:

wuxiaohua1011.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