Michael Wu

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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