

Michael Wu

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EDUCATION

University of California Berkeley

College of Letter and Science

BA in Computer Science

Expected Grad. May 2021

University of Michigan Ann Arbor

Ross School of Business Online

Certificate

Grad. June 2016

SKILLS

Programming

Proficient:

R, SQL, PHP, C++, Scheme

Expert:

Java, Javascript, Python

Frameworks:

SciPy, Numpy, PyTorch, Tensor, Kera

Tools:

Git, Vim, Android Studio, BlueJ,

IntelliJ

COURSEWORK

- Data Structures
- The Structure and Interpretation of Computer Program
- Foundation in Data Science
- Web Data Visualization
- Design Information Devices and System I & II

AWARDS

- Lewis Athlete Scholarship Award
- Benjamin A. Gilman International Scholar
- International Society for Pharmaceutical Engineering Hackathon Finalist

08.09.2018

EXPERIENCE

Entrepreneurs @ Berkeley

Founder/CTO/Board of Director

Feb 2018 – Present

Berkeley, CA

- Created Website adapted from Jalpc repository
- Built the Berkeley Startups web application using Django
- Lead a team of three for maintenance and other technology related tasks

Opti-wifi

Intern

June 2018 - August 2018

Dublin, Ireland

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

PROJECTS

Style Transfer

Team Member

Feb 2018

Berkeley, CA

- 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

ISPE Hackathon finalist

Jan 2018

Berkeley, CA

- 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?)

Team Member

Nov 2017

Berkeley, CA

- Implemented cat and dog classification model using 6500 images using CNN, Kera, Sklearn PCA, and Matplotlib.

School Finance System Analysis

Team Member

Oct 2017

Berkeley, CA

- Experimented with CNN, Kera, Matplotlib and Sklearn PCA and applied methods such as linear regression, logistic Regression, Backward Stepwise Selection and Random Forest Decision Tree on dataset from US Department of Education