# 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, Eclipse, 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
- Discrete Math and Probability (In progress)

## AWARDS

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

09.04.2018

## EXPERIENCE

**Entreprenuers @ Berkeley** Feb 2018 – Present
Founder/CTO/Board of Director Berkeley, CA

- Responsible for website maintenance and technology advise
- Built the Berkeley Startups web application using Django

**OptiWi-Fi** June 2018 - August 2018
Intern 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%

**Berkeley Lawrence National Laboratory** September - Present 2018
Intern Berkeley, CA

- Web API and web service development
- Creating endpoints for the new Materials Project API

## PROJECTS

**Style Transfer** Feb 2018
Team Member 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** Jan 2018
ISPE Hackathon finalist 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?)** Oct - Nov, 2017
Team Member Berkeley, CA

- 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.