SIMON ZHUANG

simonzhuang97@gmail.com | 614-707-8925 | https://www.linkedin.com/in/simonzhuang/ |www.github.com/simonzhuang

EDUCATION

2016 - Present
Undergraduate, *UC Berkeley*
BA, Computer Science,
Applied Mathematics,
BS, Business, Haas School of Business
GPA 3.95, Major GPA 4.00

COURSEWORK

CS	Neural Networks	Algorithms
	Machine Learning	Data Structures
	Artificial Intelligence	Machine Structures
	Information Devices	CS Mathematics
Math	Probability	Multivariable Calculus
	Statistics	Linear Algebra
	Numerical Analysis	Differential Equations
	Real Analysis	
Business	Intro to Economics	Ethics of Business
	Macroeconomics	Intro to Business

SKILLS

Experienced: Python, Java, Numpy
Proficient: C, SQL, Scheme, Excel, Tensorflow, Sklearn
Familiar: C#, C++, HTML/CSS/JS, Flask, OCaml

HONORS & AWARDS

April 2017
Putnam Competition
· National Undergraduate Math Contest
· Placed in the top 500

May 2014
USA Junior Mathematics Olympiad
· Qualified via two rounds of testing
· Placed 80th on the USAJMO
· Highest score in state

May 2015
Ohio Mathematics League Winner

April 2016
US National Chemistry Olympiad Honors
· Awarded to the top 150 students

May 2015
American Computer Science League All-Star Competition
· Second Highest Individual Score

EXPERIENCE

June - August 2017
Software Engineering Intern, *Cloudwiz*
· Upgraded database to MySQL with asynchronous master-slave replication to store user information
· Implemented regex and string matching algorithm

PROJECTS

November 2017
Spam Classifier
· Implemented and trained random forest to classify emails as spam based on keywords
· Built using scikit learn and achieved 80% validation accuracy

March 2017
Dub-It
· Application that provides text-to-speech using a celebrity/politician's voice.
· Built using IBM Watson Language API and pydub library on Python.
· Won best entertainment/gaming hack at Hacktech 2017.

Septenber 2016
Hog Strategy Contest
· Create an AI using dynamic programming in Python for the die game Hog (variation of Pig) to compete against other submission in CS 61A class.
· Placed 3rd with 113 Wins and 3 losses

October 2016
Yelp Maps
· Used Yelp's academic dataset to create a Voronoi diagram of restaurants in a region and implemented a supervised learning algorithm to predict a user's preference of restaurants based on previous reviews.

April 2017
SUS
· Android app allowing users to mark areas of environmental problems and organize events to solve them.
· Built using LA City API and Google Maps API
· Won best sustainable hack at LA Hacks 2017