MIKE M. SUN

10535 Wilshire Blvd Apt D01, Los Angeles, CA 90024

(714) 329-7167 ⋄ michaelmusun@ucla.edu

EDUCATION

University of California, Los Angeles *September 2018 - Present*
M.S. Computer Science Overall GPA: N/A

University of Tulsa, Oklahoma *August 2014 - May 2018*
B.S. Computer Science Overall GPA: 3.75
Recipient of the Full Presidential Scholarship and National Merit Scholar In-major GPA: 3.9
Vice President of ACM - Hosted HackTU Hackathon and Tech Food Fridays

TECHNICAL STRENGTHS

Computer Languages	Python, Java, Matlab, MySQL, C, Shell, HTML/CSS
Software & Tools	Numpy, Matplotlib, Neural Networks, Blockchain, Angular 4, Git
Language	Mandarin Chinese

EXPERIENCE

Smartdata360 — Guangzhou, China June 2018 - September 2018
Credit Risk Modeling - Software Engineering Intern

· Led a team of 3 to create a FICO-style financial credit score assessment program which evaluated the risk of borrowers from banks defaulting on their loans
· Built statistical scorecard model with Python using concepts like WOE, IV, K-S testing, ROC, and AUC

Research - The University of Tulsa September 2017 - May 2018
First Author of "An Empirical Study of Developers' Flocking and Migration in GitHub and StackOverflow"

· Employed python and SQL to analyze online social coding communities StackOverflow and Github
· Mined data and implemented the Louvain algorithm to detect trends like flocking and collaborative migration

NOVATime Technology — Diamond Bar, CA May 2017 - August 2017
Software Engineering Intern

· Remodeled website for charity organization moringaforlove.com using Joomla
· Worked in a team of 4 to port novatime.com from aspx.net to Angular 4

PROJECTS

Financial Modeling Team - ACM AI External October 2018 - Current
· Partnering with UCLA Algorithmic Trading to compete in machine learning competitions
· In initial phase of researching and developing cutting edge financial trading models

Cryptocurrency Price Predictor Neural Network March 2018 - April 2018
· Created an autoregressive neural network in Matlab to predict price trends in Bitcoin markets
· Binary trend predictor achieved 93% accuracy, sensitivity, and specificity in historical paper trade testing

Artificial Intelligence Projects November 2017 - February 2018
· Used Matlab to predict precipitation using Hebbian, Widrow-Hoff, MLP, and competitive clustering networks
· Clustered wine preferences, created a sudoku solver, and implemented a 2D soccer game-tree AI
· Heuristically computed minima of mathematical functions using simulated annealing and genetic algorithms

ACHIEVEMENTS AND AWARDS

Cairns Award for Outstanding Academic Achievement in Computer Science May 2018

Second place in Heartland Gaming Expo VR with Learn to Live escape room VR game April 2018

Eagle Scout - Boy Scouts of America November 2011