JULIUS FAN

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Profile

Data Science and Machine Learning Enthusiast with a lifelong passion for learning computer science, mathematics, and statistics. Currently a junior student at University of California - Santa Cruz studying Computer Science and Applied Math and Statistics. I worked summer internships primarily in the advertising tech industry, researching and implementing various algorithms and delivery platforms to improve company earnings and expectations.

Work experience

Data Science Intern   06/2018 – 09/2018
Spigot Inc., Fort Myers, FL, United States

- Lead efforts to build better advertiser retention, issue rate, and lifetime value models
- Developed metrics processors, revenue/payback optimization algorithms, and live database monitoring software
- Developed advertising monitoring Redshift/MSSQL databases to shift advertiser percentages 24/7
- Communicated with business management team to adjust resource allocation
- Primary projects focused on revenue optimization, customer acquisition, and data visualization

Machine Learning Intern   06/2017 – 09/2017
Genimous Technology, Shanghai, China

- Worked on various machine learning technologies as well as worked on the company's relational databases
- Developed software to detect fraudulent clicks on banner advertisments
- Researched Google's Follow the Regulated Leader and Logarithmic regression algorithms to develop click weighting technology
- Primary projects focused on ad fraud detection, analytics improvement, and customer profiling
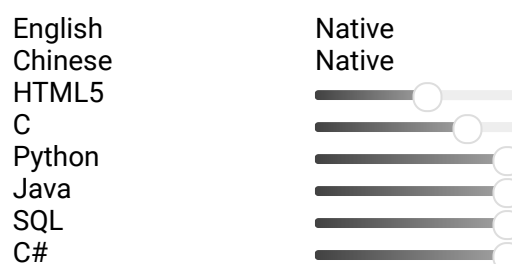
Education

Computer Science, Applied Math and Statistics   09/2016 – present
University of California - Santa Cruz, Santa Cruz, CA, United States of America

- Co-President of the Web and Mobile Application team on campus
- Officer of Slug Gaming
- Member of SlugLug, Linux Development Research Group
- Relevant Coursework: Calculus 1/2/3, Introduction to Data Structures, Advanced Data Structures, Computer Systems and Assembly, Discrete Math, Introduction to Microeconomics, Linear Algebra, Abstract Data Types, Probability and Statistics in Computer Engineering, Ordinary Differential Equations, Computational Models, Comparative Programming Languages, Artificial Intelligence.

Skills

Languages

English	Native
Chinese	Native
HTML5	
C	
Python	
Java	
SQL	
C#	

Frameworks and Libraries

Hadoop	
Spark	
Hive	
MapReduce	
Sci-Kit Learn	
Pandas	
Numpy/Scipy	