Julius Fan

Data Scientist / Developer / ML Engineer

I am currently a student at the University of California - Santa Cruz majoring in Computer Science and Applied Math and Statistics. I expect to graduate with B.S. in Computer Science and a Minor in Statistics in the Spring of 2020. My interests include Brain Interfacing Technology, Game Theory, and using computers to better our everyday lives.

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🌐 concealedtea.github.io

in linkedin.com/in/julius-fan-1a2b55135

○ github.com/concealedtea

EDUCATION

Computer Science, Applied Math and Statistics
University of California, Santa Cruz

09/2016 – Present   *GPA: 3.4*

WORK EXPERIENCE

Software Developer / BI Intern
Spigot Inc.

06/2019 – 09/2019   *Fort Myers, FL*
Advertising Technology and Marketing Company

Achievements/Tasks

- Identified, developed, and implemented analytic solutions to optimize customer targeting and database efficiency.
- Incorporated statistical and machine learning models for the purposes of customer segmentation and user profiling.
- Built AWS Lambda functions to process S3 data fields into end-to-end data processing pipeline written as a Python processor.

ML / BI Intern @ Spigot Inc.
Spigot Inc.

06/2018 – 09/2018   *Fort Myers, FL*
Advertising Technology and Marketing Company

Achievements/Tasks

- Lead efforts to build better advertiser retention, issue rate, and lifetime value models
- Developed advertising monitoring Redshift/MSSQL databases to shift advertiser percentages 24/7
- Primary projects focused on revenue optimization, customer acquisition, and data visualization

ML Intern @ Genimous Technology
Genimous Technology

06/2017 – 09/2017   *Shanghai, China*
Mobile Internet Aggregation Company

Achievements/Tasks

- Developed software to detect fraudulent clicks for clients
- Researched Google's FTRL and Logarithmic Regression algorithms to develop click weighting technology
- Primary projects focused on ad fraud detection, analytics improvement, and customer profiling

SKILLS

Redshift   Python   C#   AWS Lambda   AWS S3

MATLAB / Octave   SK-Learn   Numpy / Scipy   TensorFlow

SQL/MSSQL   Excel   Statistical Modeling

PERSONAL PROJECTS

P.AI.NT (09/2018 – 12/2018)
- Using a logarithmic loss function based off FTRL to better improve image stylization transfers between paintings and images. Based on the fast-transfer research of Ulyanov and Gatys.

ORGANIZATIONS

Web and Mobile Application Development Club (11/2016 – 08/2018)
President

Slug Gaming (09/2016 – Present)
Officer / Organizer

LANGUAGES

English
Native or Bilingual Proficiency

Chinese
Native or Bilingual Proficiency

INTERESTS

Brain Computer Interfaces   Tennis   Game Theory

Machine Learning   Neurotechnology