

Yiwen Tang

(336) 918-3479 | tonytang0731@outlook.com

3600 Chestnut St., Philadelphia, PA 19104 | tonytang731.github.io/github-pages-react-app/

EDUCATION

University of Pennsylvania, School of Engineering and Applied Science (3.73/4.00) Philadelphia, PA
Master of Science in Engineering - Data Science May 2021

Wake Forest University (3.74/4.00) Winston-Salem, NC
Bachelor of Science in Mathematics (Honors) May 2019
Bachelor of Arts in Economics (1st / 124 on Economics Exit Assessment; Honors)
Minor in Computer Science

- STARR Research Travel Grant & Summer Research Fellowship

TECHNICAL SKILLS

Programming Languages: Python, Java, PHP	Database: MySQL, MongoDB	Data Analytics: R, Stata
Web Programming: JavaScript, HTML/CSS	Data Visualization: Tableau	MS Office: Excel, PowerPoint

PROFESSIONAL EXPERIENCE

Two Six Capital San Francisco, CA
Data Science Intern June 2020 - Present

- Designs functions and tests for packages *twosixtools* and *Lego* (productized plot auto-generation)
- Constructs pipeline to generate analyses and visualization from clients' data

Cognitive Computation Group, University of Pennsylvania Philadelphia, PA
Research Developer January 2020 - Present

- Implemented 8 interactive demos of text annotation services powered by CogComp NLP
- Published APIs for advanced annotation tools and refined JSON schemas (Wikifier, Name Entity Similarity)

Wechat Group, Tencent Holdings Limited Shenzhen, China
Analyst Intern June 2019 - August 2019

- Conducted analyses on financial reports with Fintech team; retrieved information from databases and external sources
- Led 4 bi-weekly talks on topics in Machine Learning and wrote Time Series templates for 14 colleagues

PriceWaterHouseCoopers International Limited Shenzhen, China
Assurance Intern July 2017 - August 2017

- Collected and analyzed data from over 30 reports from the subsidiary companies of Ping An Insurance
- Audited sections of A+H share report and cooperated with Fintech colleagues from PwC Shanghai

PROJECTS & COMPETITION

Classifying Hate Speech Using a Two-layer Model June 2018 - May 2019

- Published paper on academic journal *Statistics and Public Policy* and presented at *AISC Greensboro, North Carolina*
- Established over 30 test cases to ensure the effectiveness of the text cleaning procedure
- Incorporated multiple *Machine Learning* algorithms and feature extraction techniques in the methodology
- Designed lexicon-based features which led to an increase in prediction accuracy from 58.25% to 66.75%

Photogram September 2019 - December 2019

- Reproduced Instagram's main functionalities and UI with *React* and *UIKit*
- Created branching strategies for project management and tracked issues/user story with *Github*
- Conducted unit testing using *Jest*, functional testing using *Selenium* and Continuous Integration with *Travis CI*

Wharton Analytics Fellow, the Wharton School September 2019 - December 2019

- Collaborated directly with HR from BB&T and generated insights from *text analysis* on employees' weekly feedback