## Junjie (Caspar) Chen

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## **EDUCATION**

Columbia University, GPA: 3.43/4.0	New York
M.A. in Statistics, Data Science Track	Sep. 2018 - Feb. 2020
Coursework: Data Mining, Databases, Machine Learning, Time Series Analysis, Nonparametric Methods, etc.	Madican WI
University of Wisconsin – Madison, GPA: 3.54/4.0 B.S. in Applied Mathematics, Emphasis on Actuarial Science, Certificate in Business	Madison, WI Sep. 2014 - May. 2018
WORKING EXPERIENCE	Sep. 2014 - May. 2018
Oigetit Fake News Filter	Sunnyvale, CA
Data Analyst Intern	Mar. 2020 - Present
<ul> <li>Operate Google Analytics for Firebase to track key metrics such as DAU, Screen_View and Notificat</li> </ul>	
app, as well as interpret user behavior from data visualization which resulted in efficient news posting	
<ul> <li>Collaborate with QA teams to determine adjustment and new features in app that helped to achieve determine</li> </ul>	
• Retrieve log data and conduct ad hoc data analysis from various social media platforms that targeted t	
China Taiping Insurance Co. Ltd.	Shanghai
Product & Marketing Analyst Intern	July. 2018 - Aug. 2018
• Scraped data on insurance products of peer companies with insurance apps, cleaned data with R for re	port in use of product
development for actuaries and sales analysis.	
Visualized data with Excel and PowerPoint and presented to product management team with key find	ings.
Orient Securities Research Center	Shanghai
Data Analyst Intern	Aug. 2017 - Aug. 2017
Analyzed financial reports and summarized in Excel with formulas such as Sharpe ratio and betas to c	-
Conducted research on most up-to-date Chinese government new policies on development trend to pre	ovide evaluation of
profitability for various companies.	<b>C1</b> 1 1
Shanghai Well C.P.A Partnership	Shanghai
<ul> <li>Auditing Department Intern</li> <li>Assisted external audit work of 15 companies' social insurance by verifying salary tables and writing</li> </ul>	Jun. 2016 - Aug. 2016
• Assisted external audit work of 15 companies' social insurance by verifying safary tables and writing software, and using Excel (VLOOKUP, pivot table) to collect and examine the data.	reports with accounting
<ul> <li>Contributed audit work for verifying 277 companies' industry and commerce information disclosure b</li> </ul>	by contacting companies
with emails and phone calls under Industrial and Commercial Bureau.	y contacting companies
SELECTED PROJECTS	
	ersity, Nov Dec. 2019
• Implemented the deep learning neural style transfer and Adam optimization algorithm to generate ble	-
• Tuned the parameters in image classification model VGG-19, and weight ratios in loss function for di	
	versity, Feb Apr. 2019
• Developed <b>ER diagrams</b> with six entities, front-end web application using <b>Python</b> Flask for users to	query modern Japanese
Animation with custom features and return expected results.	
Applied PostgreSQL to extract, transform, and import data into schemas for users to manipulate data	
• Extracted ~9GB data and created database using Google Cloud Instance and Bit Bucket with shell sc	
	ersity, Mar May. 2019
• Designed <b>hypothesis testing</b> exploring relationships between five qualitative features and six quantitative	ative risk factors of
Coronary Heart Disease in <b>R</b> .	
• Analyzed Framingham Heart Study (long-term prospective study of the etiology with 5,209 observati	
• Explored effects of <b>Survival Analysis</b> (K-M Curve, Log-Rank test, Cox Regression), Fisher's Exact Two completes the formation of the second	lest, Correlation Test,
<ul> <li>Wilcoxon Rank Sum Test, Kruskal-Wallis Test, Two-sample t-Test, F-test and Logistic Regression.</li> <li>Demonstrated that smokers have a higher probability of getting CHD than non-smokers, and many otl</li> </ul>	aar findings
	ersity, Nov Dec. 2018
<ul> <li>Conducted hypothesis testing and studied the most indicative determinants, interaction terms, and fun</li> </ul>	•
multiple linear regression in $\mathbf{R}$ .	etional expressions for
<ul> <li>Manipulated 25,000 observations for males between age of 18 and 70 who are full time workers from</li> </ul>	a government dataset.
<ul> <li>Explored effects of logistic transformation, bootstrap resampling, stepwise selections, statistical diagn</li> </ul>	-
ANOVA), and model validation (MSE, DFBETA & MSPR).	`
• Demonstrated that African American males have statistically different wages compared to Caucasian	males or all other males.

- Programming Languages: R, SQL, Python, Tableau, Java, HTML & CSS
- Extra: Passed Exam FM/2, Exam P/1; Fulfilled VEE Requirements for Economics, Corporate Finance, & Applied Statistical Methods; Certificates: DataCamp: Cleaning Data in Python, Web Scraping in Python