

# Chi-Hua Wu

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## EDUCATION

<b>University of Connecticut, School of Business</b>	May 2020
<ul style="list-style-type: none"><li>Master of Science, <b>Business Analytics and Project Management</b></li><li>Relevant Course: Data Science with Python, Predictive Modeling, Introduction to Deep Learning, Data Mining and Business Intelligence, and Business Decision Modeling</li></ul>	GPA: 4.0/4.0
<b>Fu Jen Catholic University</b>	Jun 2015
<ul style="list-style-type: none"><li>Bachelor of Science, <b>Statistic and Information Science</b></li><li>Relevant Course: Mathematical Statistics, Multivariate Statistical Analysis, Time Series Analysis, and Regression Analysis</li></ul>	GPA: 3.8/4.0

## WORK EXPERIENCE

<b>Potoo Solutions</b>	Jan 2020–May 2020
<b>Graduate Analyst Consultant</b> <ul style="list-style-type: none"><li>Developed a predictive model to shed light on the new e-commerce centric supply chain and its most influential factors</li><li>Used SQL and Python to clean, combine, filter, and restructure multiple large datasets (millions of records)</li><li>Built multi-label classification models to discover patterns and insights regarding resellers and their product sources</li><li>Executed deliverables of Python-Tableau Dashboard to the CEO to ensure feasibility and application of the model</li></ul>	
<b>University of Connecticut MSBAPM</b>	Jan 2020–May 2020
<b>Graduate Teaching Assistant</b> – Dr. David Wanik, OPIM5512 Data Science using Python <ul style="list-style-type: none"><li>Performed all assistant teaching duties including mentoring, lecturing, grading and researching</li><li>Contributed to lesson materials and tutorials regarding data visualization, data wrangling, and machine learning packages</li><li>The materials covered Python's packages: Scikit-Learn, Numpy, Pandas, Matplotlib, Seaborn, Plotly, PDP, and TSFresh</li></ul>	
<b>Forkaia</b>	Sep 2019–Dec 2019
<b>Data Science Intern</b> <ul style="list-style-type: none"><li>Performed customer segmentation analysis (KNN) with Python to discover patterns and insights regarding customer behavior</li><li>Used SQLAlchemy to build a relational database from multiple files to increase the efficiency of managing data</li><li>Built several binary classification models to determine the most influential features on the customer churn rates</li></ul>	
<b>Cadenza Innovation</b>	Feb 2019–May 2019
<b>Business Analytics Consultant</b> <ul style="list-style-type: none"><li>Built an Energy Storage Systems model to determine the variables of Energy Storage to reduce energy cost and energy waste</li><li>Used Excel Solver to optimize the battery usage and it could have saved ten thousand dollars and taken five payback years</li><li>Presented a research project regarding Energy Storage to get an optimal component sizing for peak shaving</li></ul>	
<b>Voya Financial</b>	Dec 2018–Feb 2019
<b>Graduate Analyst Consultant</b> <ul style="list-style-type: none"><li>Developed predictive models to campaigns with high email click-through rates and its most influential factors</li><li>Conducted text analysis to generate more information from the email subjects and contents for analysis</li><li>Performed association rules to discovering relationship among variables and the target variable</li></ul>	

## PROJECTS

<b>Airline Twitter Sentiment Analysis (hold the N3A workshop for Atlas Air on 03/18/2020)</b> <ul style="list-style-type: none"><li>Discovered passengers' sentiment behind the streaming tweets (using Tweepy API) to improve the customer experience</li><li>Used TextBlob NLP package and scikit-Learn package with Python to perform sentiment analysis and text clustering analysis</li></ul>
<b>Loan Service Database</b> <ul style="list-style-type: none"><li>Built a database for loan service to implement Entity Relationship Diagram and SQL queries into business</li><li>Displayed queries to fulfill user requirement and showed queries with multiple table joins to explore data</li></ul>
<b>Online News Popularity</b> <ul style="list-style-type: none"><li>Identified important factors of popular Mashable articles to encourage readers to share on social networks</li><li>Used machine learning models with JMP to predict which the articles were widely shared based on the features of articles</li></ul>

## CERTIFICATES/AWARDS

Nov 2019 – 2nd place, <b>Synchrony Hackathon</b>
Jan 2015, Oct 2013, Apr 2012 – Academic Excellence (Top 3 of the class), <b>FJU Department of Statistics</b>
Dec 2014 – 1st place, 14th Student Treatises Contest, <b>FJU Department of Statistics</b>
Feb 2014 – Business Intelligence Data Analyst (IBM SPSS Software Certificate), <b>Asia Analytics</b>

## TECHNICAL SKILLS

- Data Analytics skills: Python, RStudio, SQL, Tableau, Microsoft Power BI, SAS, SPSS, Microsoft Excel