**SHENG-CHE WU**

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**EDUCATION**

**Columbia University** New York, NY

**Master of Science in Financial Engineering,** Concentration in Machine Learning, **GPA 3.5/4.0** Expected Dec 2023

Courses: Optimization, Stochastic Models, Quantitative Corporate Finance, Applications Programming for Financial Engineering

**University of California, Los Angeles** Los Angeles, CA

**Bachelor of Science in Applied Mathematics, GPA 3.7/4.0** Dec 2020

Courses: Python, C++, Probability, Statistics, Financial Mathematics, Managerial Finance, Mathematical Models

**WORK EXPERIENCE**

**JYM SOLUTIONS LLC** Los Angeles, CA

**Summer Intern - Data Scientist** Jul 2023 - Aug 2023

* Spearheaded the creation of a real-time business analytics dashboard using python and streamlit, enhancing data accessibility for managers and directors and reducing time spent on manual data retrieval by 50%
* Designed an intuitive UI with multi-select capabilities, leading to a 30% increase in user satisfaction among managerial staff and enabling customized reporting for competitor analysis, complaint tracking, and market analytics
* Established a robust and modular codebase that set the stage for future feature integrations, cutting down expected development time for new functionalities by 35% and positioning the dashboard as the go-to resource for executive decision-making

**JYM SOLUTIONS LLC** Los Angeles, CA

**Summer Intern - Data Scientist** Jun 2021 - Aug 2022

* Processed data cleaning and standardization of 3 million records from Consumer Complaint Database managed by the Consumer Financial Protection Bureau (CFPB)
* Conducted exploratory data analysis to identify trends and patterns and communicated findings and insights to the team and stakeholders
* Built machine learning models classification to predict consumer behavior and evaluate the performance of financial products and services, with 85% accuracy

**Capital Securities Corporation** Taipei City, Taiwan

**Summer Intern - Sales and Trading** Jun 2019 - Sep 2020

* Applied valuation analysis methods to predict future stock price movements of Tesla, capturing +20% investment return
* Performed in-depth research of top 100 publicly transacted companies in Taiwan Capitalization Weighted Stock Index
* Developed an excel Bollinger Band model to automatically renew stock quote, assess historical stock volatility, and assist trading decision

**CITIC Securities Company Limited** Fujian, China

**Summer Intern - Boutique Investment Banking** Jul 2019 - Sep 2019

* Summarized IPO prospectuses for 50 small technology companies, including review of historical financial performance
* Evaluated a media company's capital structure and investment worthiness by analyzing historical financial performance, litigation history, and intellectual property, detecting $50,000 potential lawsuit loss
* Created transfer application such as financial verification to transit an OTC transacted company Market to the Sci-Tech Innovation Board through tools such as Python crawler, increasing 50% efficiency

**Summer Intern - Wealth Management** May 2019 - Jul 2019

* Developed a python model to analyze historical investment returns of 8,000+ Chinese publicly traded funds and a customizable order placing model based on algorithm and econometrics for clients with different risk tolerance
* Researched publicly traded Chinese ABS products and analyzed top ABS brokers for potential clients
* Collaborated on launch of BlackRock Premier China A-Shares Fund by preparing pitch meetings with potential investors

**SKILLS**

* Spoken Language: English, Mandarin
* Technical Skills: C++; Python; SQL; Microsoft Office; Alteryx
* Interests: Swimming; lifeguard license holder; yacht license holder