

## Chenyang Wang

Tel: (+1) 669-269-4036 | Email: wangchey1105@126.com | GitHub: wangchey@umich.edu

### EDUCATION

**The University of Michigan, Ann Arbor**

BS in **Computer Science** | GPA 3.93/4.0

**University of California, Santa Barbara**

Major in **Statistics and Data Science** | GPA 4.0/4.0

**De Anza College**

Major in **Network Programming** | GPA 3.8/4.0

Michigan, USA

Jan. 2022 - Present

California, USA

Sep. 2021 - Nov. 2021

California, USA

Sep. 2019 - Jun. 2021

### WORK EXPERIENCE

**China Air Express Co., Ltd. Ningbo Branch**

Ningbo, China

**Big Data Mining and Analysis Assistant**

Jul. 2023 - Aug. 2023

- Analyzed data from diverse business systems, integrating it into a cohesive big data platform, and maintained alignment with evolving business requirements through continuous feedback loops.
- Collaborated closely with product, algorithm, and development teams to ensure high-quality delivery of data services, facilitating decision-making and operational refinement and developed corresponding business model.
- Contributed to the establishment of an operational data center, assisted in formulating data development standards and specifications, and elevated the quality of valuable data assets.
- Drove digitization of operations across various business domains by constructing data models and data services based on corporate-level strategic planning and objectives.

**Zhejiang Xing Gang Co., Ltd. Ningbo Branch**

Remote

**Data Analyst Intern**

Jun. 2022 - Jul. 2022

- Categorized and managed data collected during the goods transportation process, including quantity, transit time, distance, and expenses, employing Excel and database systems for organization.
- Executed data cleaning and pre-processing to ensure data quality and consistency; utilized Python for statistical analysis and data mining, identifying anomalies in the data and providing recommendations on freight operation conditions to the management team.
- Employed historical data and market trends to conduct cargo demand forecasting and planning; constructed predictive models to anticipate future changes in freight demand, offering corresponding transportation strategies and resource allocation suggestions.

**Capgemini**

Shanghai, China

**Data Analysis Consultant Intern**

Jul. 2021 - Aug. 2021

- Processed substantial volumes of user purchase data by Python and Power BI to uncover latent market trends, furnishing team with data-driven insights, thus enhancing user experience and refining market strategies.
- Identified Electrical Vehicle Purchasing App testing issues through log analysis and operational data assessment, collaborating with development team to surmount critical technological hurdles, ensuring software stability.
- Collaborated with the product team, engaging in a series of user research initiatives, aggregating and organizing user feedback and requisites, thereby offering valuable insights for business development.
- Employed Tableau Tools to visualize data analysis, enhancing the delivery of information to users.

**ICBC Haishu Branch**

Ningbo, China

**Credit Department Assistant**

May 2021 - Jun. 2021

- Proficiently utilized Microsoft Excel to arrange and effectively manage an array of client credit information; devised personalized data spreadsheets, facilitating the diligent monitoring of client credit scores, payment chronicles, and borrowing histories.
- Skillfully pinpointed evolving trends, intricate patterns, and aberrations, yielding profound insights into client credit vulnerabilities, thereby empowering decision-making; conducted exhaustive scrutiny of credit-oriented data using Python and R language.
- Prognosticated the likelihood of client credit defaults by evaluating the potential historical data using advanced machine learning techniques; elevated precision in risk assessment, consequently shaping nuanced credit policies that strike a balance between prudence and opportunity.

**HSBC Ningbo Branch**

Ningbo, China

**Wealth Advisor**

Jul. 2020 - Aug. 2020

- Created individual trading schedules that best balance cost against risk on an aggregate level by applying portfolio algorithm.
- Efficiently employed Customer Relationship Management (CRM) software to oversee personal and financial client data; quantified data from questionnaire surveys to derive the ratio between risk capacity and risk preferences, delivering financial advisory based on the most suitable combination of five fund products.
- Performed in-depth comparison of the selected five wealth management products; deployed data mining techniques to spot potential investment openings, magnifying client value proposition.

### SELECTED RESEARCH EXPERIENCE

**Image Classification Model Based on ResNet18: From CIFAR10 to CIFAR100**

Jul. 2023 - Aug. 2023

Advisor: Gregory Kesden, Associate Professor in Electrical & Computer Engineering at Carnegie Mellon University

- Analyzed the performance of ResNet18 on CIFAR10 and CIFAR100 datasets, conducting a comprehensive assessment against other network architectures on specifically chosen datasets.
- Adjusted the first kernel of the original ResNet18 to a smaller size and changed the step size and padding to solve overfitting, achieving an 80% accuracy rate, surpassing that of the Convolutional Neural Network.
- Demonstrated a keen aptitude for collaboration within the team, actively participating in discussions, sharing ideas, and contributing to the overall success of the project.

**Research on the Minimum Cost of Consuming Various Foods for Sustaining Daily Activity for Adults**

Advisor: Ming Gu, Professor in the Department of Mathematics at UC, Berkeley

Sep. 2020 - Dec. 2020

- Utilized the simplex method to construct a model and compute the optimal solution along with associated costs and built Human Machine Interface with MATLAB to input unit prices and nutritional content of over 70 common food items.

### SKILLS & INTERESTS

**Skills:** Java, Python, C, JavaScript, HTML/CSS, X86 Assembly, R, C#

**Tools:** Visual Studio Code, Eclipse, IntelliJ IDEA, PyCharm, R Studio, WebStorm, CLion, Git, GDB

**Language:** English (Fluent), Chinese (Native)