

Haotian Jiang

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EDUCATION

University of Michigan

Ross School of Business (BBA in Business Administration) – Concentration in Finance
College of Engineering (B.S. in Engineering) – Major in Computer Science

Ann Arbor, MI

9/2018 – 4/2022

Relevant Coursework: Data Structures and Algorithms | Foundations of Computer Science | Multivariable Calculus |
Introduction to Computer Organization | Discrete Mathematics | Linear Algebra | Principles of Economics I

SKILLS

Languages: native Chinese and English, proficient in French

Programming: C++, Python, R, MATLAB, MySQL, HTML, CSS, Javascript

EXPERIENCE

Clarus

Software Engineering Intern

Ann Arbor, MI

4/2019 – 6/2019

- Designed and built website and login portal using HTML, CSS and React to help social media automation startup attract clients and provide existing clients with account information

180 Degrees Consulting

Project Manager

Ann Arbor, MI

9/2018 – Present

- Lead 5-person project to build data entry and analysis tool to help startup incubator track, discover trends, and make recommendations on member engagement with Salesforce data and external survey data
- Consulted healthcare non-profit to evaluate 5 possible expansion locations using population, demographic, and geographic weighted metrics to make insightful and practical recommendations
- Helped wildlife conservation non-profit analyze fishery datasets to find trends in fishery progress/failures

Michigan Finance and Mathematics Society

Analyst

Ann Arbor, MI

1/2019 – Present

- One of 55 members actively managing a \$10,000 diversified portfolio in US equities with quantitative strategies
- Work in 6-person team researching and pitching using quantitative models like the Fama-French Three-Factor Model

University of Michigan Biophysics

Research Assistant

Ann Arbor, MI

6/2017 – 1/2018

- Ran molecular dynamics simulations using NAMD and created frame-by-frame visualizations with VMD
- Analyzed simulation data and used linear regressions to predict GQD behavior under changing environments, contributing valuable insight on the relationship between diffusivity and ion concentration

PROJECTS

PCA Portfolio Diversification

2/2019 – 4/2019

- Demonstrated potential use of Principle Component Analysis in ascertaining diversity of an equity portfolio
- Successfully presented findings to mathematics department faculty and received high marks

SillyQL - Efficient Relational Database

5/2019 – 6/2019

- Designed a database management system in C++ that enables users to store information through constructing a relational database that creates and retrieves data in tables efficiently
- Employed program to create an organized data storage that efficiently inserts, finds, and removes pieces of data within tables inside of the database as needed
- Created an optimized algorithm that utilizes hash tables and binary search trees to discover pieces of connected information stored within different tables in the database and display these pieces of data to the user

MISC

Guayaki Yerba Mate

University Ambacebador

8/2019 – Present

- Promote and market yerba mate and the Guayaki brand during community events and within campus organizations