HANXIAO HELEN YUE

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EDUCATION

University of Pennsylvania   **Jan 2020 – May 2022 (expected)**
MCIT   Cumulative GPA 4.0
- Pursuing a Masters degree in Computer Information Technology in Java, C, software dev, while working full time

Baruch College (Macaulay Honors Program) at the City University of New York   **Sept 2013 – Jun 2018**
BA (Summa Cum Laude)   Cumulative GPA 3.87
- Major in Mathematics with a concentration in Finance
- Minor in Statistics and Quantitative Modeling, Thesis in Economics
- Dean's List, CUNY Women in Technology Fellow and Scholarship recipient, Phi Eta Sigma, Golden Key, Alpha Kappa Psi

Stuyvesant High School   **Sept 2009 – Jun 2013**
- GPA 94.4, SAT 2160, AP Scholar with Honor, Best Buy Scholarship 2013, ARISTA National Honor Society

Technical Skills
- Cloud/Virtualization: Azure, GCP, Pulse Secure, Microsoft Remote Desktop Connection
- Data Analytics: Excel (data scrubbing and analysis (ie pivoting, lookups, forecasting, reporting), financial modeling)
- SQL: SQL Server (T-SQL, SSRS, SSDT, SSIS), MySQL, MariaDB, Oracle
- Languages/Frameworks: Java, C# (Visual Studio, ASP.NET, MVC Framework), LaTEX, Python (numpy, pandas, matplotlib, scikit-learn), R (dplyr, ggplot2),C++(basic), Tableau(basic), Google Analytics
- Web development: HTML/CSS, Javascript, React, Node JS, Angular

Certifications
- Microsoft: AZ-900 Azure Fundamentals (July 2020), MCSA Administering a SQL Database (Jan 2021)
- DataCamp: Data Scientist in Python (Nov 2018), Google Analytics (Oct 2018)
- CFA level 1 passed (Dec 2017), FRM level 1 passed (May 2018)
- NYS Life and Health Insurance License (Aug 2017)

EXPERIENCE

Department of Social Services, Human Capital Management IT Systems Programming Analyst   **Jan 2019 – present**
- Analyze and develop recommendations to improve agency-wide personnel data system and application infrastructure
- Generate custom and automated on-demand interactive reports on HR trends and resource usage using SSRS and Excel
- Review data quality and processing, detect data inconsistencies and logic errors with ad-hoc and scheduled SQL queries/jobs
- Develop internal applications and automate workflow using C#, Access, Batch scripts, SSIS, and SharePoint
- Provide IT helpdesk support, technical help for Photo ID System, and manage ID verification for 3 central office buildings

Deerfield Management, Equity Research Analyst   **Jun 2018 – Aug 2018**
- Built and updated bottom-up, Excel based investment models and projections on small and mid cap specialty pharmaceutical firms using secondary data sources (Iqvia, SHS, claims data, epidemiology data) and due diligence (SEC filings, news)

Trebuchet Capital Management, Quantitative Data Analyst   **Jan 2018 – Mar 2018**
- Helped build scalable, parallelized, in-house mortgage deal loading process in C# and AWS Redshift to efficiently gather Intex data

BlackRock, Portfolio Analytics Group Data Analyst   **Jun 2016 – Aug 2016**
- Optimized risk reporting for Fixed Income ETF Quarterly Survey with custom Excel report, decreased time from weeks to minutes
- Wrote qualitative competitor analysis reports on external Fixed Income ETFs to evaluate areas of improvement
- Automated SQL queries to adjust risk conventions of external Aladdin Risk clients, market recon in Excel to monitor NAV

Whizzieology Tutoring, Founder   **Feb 2012 – present**
- Created tutoring network matching students with suitable tutors, established loyalty programs and managed relationships

LEADERSHIP & ACTIVITIES

HACKATHONS/TEAM PROJECTS
- MOSA Hackathon Winter 2020 – Motivate App (repository on Github)   **Jan 2020**

ACADEMIC RESEARCH
Honors Thesis in Economics   **May 2016 – May 2017**
- Analyze effects of financial crisis on HFT ETF price volatility during FOMC meetings (2007-2014) using statistical analysis in R

COMMUNITY SERVICE
Queens Christian Alliance Church   **Jan 2019 – present**
- Pianist at worship services on Sundays

ADDITIONAL INFORMATION

- Skills: Experience in HR analytics, finance, healthcare, business reporting, problem solving, machine learning, forecasting, hypothesis testing, SEO and Social Media Management / Languages: Mandarin (Native Fluency), Conversational Spanish /