Junjin Wang

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EDUCATION

Stanford University   **Exp. Mar 2025**
M.S. in Management Science & Engineering (Computational Social Science Track)   Stanford, CA
University of Washington   **Sept 2018 - Jun 2023**
B.S. in Applied Mathematics (Data Science Track) & B.A. in Finance   Seattle, WA
- **Cumulative GPA**: 3.93/4.00 | **Major GPA**: 4.00/4.00 | **Annual Dean's List**

WORK EXPERIENCE

Data & Analytics Intern (Python, Alteryx, Excel)   **Jun 2022 - Aug 2022**
KPMG   New York, NY
- Automated data collection, transformation, and population using **Alteryx-based** process that integrates with **Excel** solutions, accelerating the generation of Exception Reports and creation of FCR packages from 3 months to 1 week
- Constructed automated tax classification into 10+ categories with 100K+ corporate transaction data using **Decision Tree** model using **Python** to support efficient tax calculations for corporations, achieving 0.91 F1 score
- Delivered training to 15+ clients on the usage of **Alteryx** workflow and **Excel** Master Template for future tax automation implementation and maintenance with demos and docs

Business Analyst Intern (Python, SQL, A/B testing)   **Feb 2021 - Dec 2021**
Ethnic Chamber of Commerce Coalition   Bellevue, WA
- Predicted the most non-compliant businesses on 5M+ data entries from City of Seattle OLS by implementing **Random Forest** model using **Python** against constructed 10+ business attributes to design an outreach area plannings which accelerated labor law education efficiency by 43%
- Devised new marketing strategies that improved user traffic by 18% and engagement rate by 24% in 3 months by performing business profiling and using **A/B testing** to optimize the contents, layouts, and visual components in marketing channels
- Automated 5M+ data migration for City of Seattle OLS by creating an operational **MySQL** relational database

Data Analyst Intern (SQL, Tableau)   **Jun 2021 - Aug 2021**
Samex LLC   Remote
- Performed in-depth market research to design the most relevant performance metrics for stakeholders and developed **SQL** queries for data acquisition, processing, and analysis
- Designed 10k+ performance reviews and user activity reports in **Tableau**
- Created client profiles based on measures including gender, age, and geographic and quantified customer behaviors across metrics including pageview and unique visitors, improving customer acquisition rate by 27% and reduced churn by 12%

PROJECTS

Data Scientist & Project Manager (Python, SQL, NLP, BERT)   **Mar 2022 – Mar 2023**
Data Analysis & Intelligent Systems Research Group   Tacoma, WA
- Built an AI chatbot based on cognitive behavioral therapy (CBT) treatment using **Python** and RASA ML framework to coach potentially 1M+ caretakers of psychosis patients and improve treatment plans for the patients
- Evaluate the efficiency of different treatment plans by implemented **BERT** model using **Natural Language Processing** (NLP) of patient queries and answers
- Designed and built a database with **MySQL**, a backend with sensible API endpoints using Flask (Python), and Web Server Gateway Interface (WSGI) using GUnicorn for presentation

Co-Founder & Data Scientist (Python, KNN, Swift)   **Feb 2020 - Dec 2020**
Ahead   Seattle, WA
- Led a team of 7 to design and develop an iOS app (1500+ users) that manages user tasks and recommends activities
- Built a recommendation system to find clusters of users based on common activities participation and ratings using **K-Nearest Neighbors** (KNN) classifier with CoreML and CoreData in **Swift**
- Implemented unique and innovative features to solve the most prevalent problems collected from user research and surveys, such as 'cruel' deadline, late-day system, smart task, category filter, and weekly report

TECHNICAL SKILLS

Programming Languages: Python, SQL, R, MATLAB, Java, Swift, JavaScript/TypeScript
Tools: Tensorflow, Pytorch, Sklearn, Keras, Alteryx, Tableau, Power BI, Visio, Xcode and iOS SDK, Access, Excel