Yang Guo

EDUCATION

Rutgers University

New Brunswick, NJ

Bachelors (Information Technology)

Specialization in Data Science

Masters (Information)

Concentration in Technology, Information, and Management

Cumulative GPA: 3.9

Dean's List

Graduated Magna Cum Laude

CERTIFICATIONS

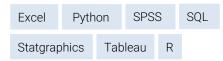
Microsoft Certified: Azure Fundamentals (AZ-900)

COURSEWORK

Data Analytics
Object Oriented Programming
Competitive Intelligence
Information Visualization
Web Design
Database Technologies
Project Management
UI/UX Design

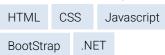
SKILLS AND TECHNOLOGIES

Data Analytics + Business Intelligence



Web Development

Frontend and backend experience



UI/UX Design

Adobe XD	Photoshop	
Indigo Studios		Sketch

EXPERIENCE

Applied Research Associates, Alexandria, VA - Data Scientist

March 2023 - Present

- > Worked on several Department of Homeland Security projects as a data scientist.
- > Worked with the Cybersecurity and Infrastructure Security Agency to help identify National Critical Functions and address concerns.
- Conducted exploratory data analysis, data cleaning, analytics, and created visualizations primarily with Python and included libraries.
- Applied machine learning methods for forecasting to train/test models to make future predictions.
- > Underwent research to become subject matter expert in various governmental fields.
- Acted as scrum master to facilitate team tasking and wrote up project plans, statement of works, as well as debriefings to communicate results.

NJM Insurance Group, West Trenton, NJ - Java Developer Associate July 2021 - February 2023

- > Worked with GuideWire to maintain and update personal lines insurance policies.
- > Created an online consultant time tracking web application using .NET MVC, SQL, HTML, CSS, and BootStrap.
- > Wireframed prototypes and used Adobe XD to build demos.
- Analyzed insurance data to generate reports and create information visualizations/dashboards with R, Python (Pandas), and Microsoft Power BI.

Infosys, New York, NY - Data Science Associate

August 2018 - May 2020

- > Executed ETL tasks on large datasets using Pyspark and Pandas.
- > Utilized SPSS and StatGraphics to analyze data and find actionable insights.
- > Developed SQL scripts to extract client information from internal databases.
- > Created information visualizations with ggplot, matplotlib, and Tableau to both technical and non-technical audiences.

Rutgers University, New Brunswick, NJ - Teacher Assistant

September 2017 – December 2017

Taught students the fundamentals of web design and information technology.

Tata Consultancy Services, Edison, NJ - Intern

June 2016 - September 2016

- > Worked on subjects like IoT and chatbots in their innovation lab.
- > Experimented with Arduino boards programmed with C to create sensors that connect to the internet.
- > Used api.ai to create chatbots to answer people's inquires.
- > Interacted with clients to ascertain their technological and business needs.

PROJECTS

Stock Analysis Project

Used data and data analysis tools to predict stock prices for seven different stocks.

- > Used Python and R to predict stock prices in the future using 5-year historical data gathered using AlphaVantage (api).
- > Conducted sentiment analysis using NY Times api data as another predictor.
- > Compiled findings into a comprehensive report/presentation.