

ANDREW CRAWFORD

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Summary

Data analyst with an aptitude in blockchain and financial modeling. 10+ years experience with collaboration across teams and independent work. Based in the twin cities with a BA Economics in 2018. Three years financial services experience in collateral management, SWIFT support, and financial advising. Completed the Fintech Coding Bootcamp offered through the University of Minnesota in March 2022 learning Python, SQL, and AWS. Transitioning to financial technology to improve upon the current financial operating systems. Therefore, curiosity of bitcoin, programming, and engineering converged towards a future in software development. A company driven towards providing blockchain services would value the presence, skills, and resources I bring to the team.

Technical Skills

Tools: Time-Series Analysis, Linear Regression, Logistic Regression, Classification, Jira

Libraries: Sklearn, tensorflow, keras, Scikit-learn

Languages: Python, STATA, R, SQL, VBA,

Data Visualization: Tableau, Plot.ly, Matplotlib, Seaborn, HTML

SQL: PostgreSQL, MongoDB

Python: Pandas, PyViz, NumPY, SciPy, SQLAlchemy, VisualCode, Jupyter Notebook, Spyder

Amazon Web Services(AWS): SageMaker

Excel: VBA, Macros, Pivot Tables/Charts, Index/Match VLOOKUP

Projects

Predicting Fintech Bootcamp Salary | <https://github.com/Crawnicles/Predicting-Salaries>

- Using job descriptions and key skills, this model predicts the salary of a job given the skills required to perform the job.
- Responsibilities included Data Exploration, Data Preparation, and Data Cleanup. Using the Monster API we isolated jobs with relevant skills from class.
- Tools / languages used - Python, Machine learning models

The 'Fun' in Non-Fungible Token | <https://github.com/Crawnicles/NFT-Macro-Analysis>

- Using OpenSea NFT API, we analyzed the market for NFTs
- Core responsibilities were to clean data and create visualizations
- Written in Python using pandas, hvplot, and bokeh

Algorithmic Trading Interface | <https://github.com/Crawnicles/Algorithmic-Trading-App>

- Created Larry Williams break-out volatility strategy and modified it to test the strategy in Crypto markets
- Written in Python and displayed through Streamlit

Experience

SWIFT Support

US Bank

2021 – 2022

St Paul, MN

Performed UAT testing and analysis of SWIFT messages in order to ensure accuracy and identify errors proactively and communicate with multiple teams utilizing SWIFT messaging.

Key Accomplishments:

- Reduced redundancy in data storage by utilizing a shared cloud storage
- Automated half of my day to day work building macros and using rules in outlook

Capital Markets Analyst I

Wells Fargo

2019 – 2021

Minneapolis, MN

Managed incoming margin calls for derivative trading, managing 25+ systems/software daily, and solving client problems as they arise. Conducted dispute and break reconciliations, and prepare reports for consideration and presentation by senior management

Key Accomplishments:

- Implemented a three person pod structure to silo the tasks of one analyst into three roles - margin calls, breaks, and disputes and tracked performance metrics
- Created training guide through powerpoint introducing new macros, decision trees, flow charts, and step-by-step instructions

Education

Boot Camp Certificate: University of Minnesota, Minneapolis, MN

- A six month program practicing technical programming skills in Python, JavaScript, SQL Databases, Tableau, Big Data, Blockchain, and Machine Learning.

Bachelor of Arts Economics: University of Minnesota, Minneapolis, Minnesota

Minor in Spanish: Fundación Ortega y Gasset, Buenos Aires, Argentina