

CHARLES P. BIGGAR

238 West 20th Street, New York, NY 10011 | *Email:* charles.p.biggar@gmail.com

Phone: (914)-255-2967 | *LinkedIn:* linkedin.com/in/charles-p-biggar/ | *GitHub:* github.com/CharlesPBiggar

Multidisciplinary data analyst and developer with experience in data driven industries and a passion for blockchain. I have worked across multiple disciplines with diverse teams to continually drive adaptation of cutting-edge strategies. Over the past 2 years, I have leveraged my analytics and development skills to explore blockchain applications, perform deep-dive analyses into various cryptocurrency projects, contribute to various online cryptocurrency communities, and build my own blockchain applications by teaching myself Solidity. This practical knowledge has further heightened my enthusiasm towards cryptocurrencies and blockchain, driving further exploration into this growing industry of consumer and enterprise applications of blockchain.

EDUCATION

Columbia University School of Engineering | New York, NY June 2019 – January 2020
Columbia Data Analytics Boot Camp

Villanova University School of Arts & Sciences | Villanova, PA August 2011 – May 2015
Bachelor of Science in *Biology* & Bachelor of Arts in *History*

EXPERIENCE

FoodBAM | Waltham, MA (Remote) September 2019 – Present
Senior Data Analyst

- Oversee all data related operations regarding internal data flow through monitoring backend analytics and expanding on the ETL data pipeline through implementation of improved data transforming and harvesting applications.
- Manage internal development team to test and implement new features in bi-weekly agile sprints as well as working directly with the head developer to bring a new web portal onto our software.
- Led a cross brand team to implement a machine learning project across multiple databases to drive enhanced categorization of data for our customers and to create new SaaS microservice applications within our company.
- Developed new ETL protocols to integrate automation into daily workflows which has allowed our software to scale and bring on new customers at an accelerated rate, decreasing average onboarding time from 2 weeks to 4 days.
- Built extensive testing scripts in Python that decreased outdated data for our customers by 65%.

Data Analyst

- Build and maintain data normalization scripts in Java to bring uniformity and clarity to customer data.
- Build and maintain web data harvesting scripts utilizing Clojure to ensure efficiency and reliability our data pipeline by decreased latency in data being update for our customers by 2-3 days.
- Utilize Python and SQL to analyze merchant data and build robust analytics to drive business insights for our team and customers.

CityMD | New York, NY May 2016 – June 2019
Shift Supervisor

- Management of all site operations through delegation of patient flow, tracking of medical supply inventory, organizing staff scheduling and ensuring HIPAA/DOH compliance.
- Enhanced site metrics using Python analytics and implementation of new medical staff workflow to propel the clinic to be the most productive Manhattan location with lowest patient wait times.

Senior Medical Scribe/Medical Scribe

- Trained newly hired scribes on clinic practices in accordance with HIPPA and DOH regulations
 - Analyzed performance metrics using Python to compile success reports for management.
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PROJECTS

Cryptocurrency Blog | <https://charlespbiggar.github.io/>

- Used my interest in cryptocurrency to write up detailed reviews of various projects such as Ethereum, Bitcoin, Polygon, Helium, Chainlink and VeChain as well as a how-to for Mining Ethereum with an at home PC.
- This custom-built site has been utilized to help my network better understand and take action in the ever-evolving landscape of cryptocurrency and blockchain applications.

Yield Marketplace Dapp | github.com/CharlesPBiggar/Blockchain-Application

- Built a blockchain application using the Ethereum blockchain that allows users to input funds via MetaMask and earn a native ERC20 token as interest for their deposits.
 - Secondary Marketplace allows sellers and buyers to interact via smart contracts to facilitate transactions.
 - Application in built in JavaScript and Solidity and runs on a local blockchain using Ganache.
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TECHNICAL SKILLS

Languages: Python, JavaScript, Solidity, Java, Clojure, SQL, VBA, HTML

Data Manipulation & Visualization: Pandas, NumPy, Matplotlib

Software: Git, Command Line, PowerShell, Excel
