[GitHub] # Tyler Gaye [LinkedIn]

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Full Stack Software Engineer with previous experience
Related to Finance, Machine Learning, and Blockchain Technologies.

Skills

Core Stack

- JavaScript
- Python
- HTML/CSS
- Solidity
- NodeJS, Docker
- AWS tools (EC2, S3)

Passions

- Web App Prototyping
- Data Visualization
- Machine Learning
- Blockchain Programming
- HTML5 Game Dev
- Financial Markets, Derivatives

Industry Knowledge

- GIT, APIs (restful services)
- Scripting and Automation
- Training and Testing AI models
- Decentralized Web3 Applications
- Smart Contract Deployment
- Cloud Database Management

Work Experience

- **Serial Entrepreneur, Web3 Work (June 2021 – January 2023):** First hand experience with viral marketing, brand management, leading engineers towards a final product, and fleshing out ideas by communicating with users.

  Launched many independent bodies of work including **NFTs**, **ERC20 tokens**, and **decentralized web applications**.

- **Financial Service Consultant, TIAA (April 2019 – June 2021):** Provided industry leading service over the phone for our clients related to their investments, **retirement plans**, **annuities**, and **life insurance products**. Ensured clients had a comprehensive individually tailored plan for their financial future.
  Licenses: **Securities Industry Essentials (SIE),   Series 6,   Series 63,   Life Insurance - all states.**

- **Data Science Teaching Assistant, Thinkful (November 2018 – March 2020):** Taught new programmers practical **data science** with **python**, covered **machine learning** libraries such as TensorFlow, concepts such as Deep Learning, Natural Language Processing, and Time Series Analysis. Helped formulate and deliver lesson plans.

- **Server Assistant, Eddie Merlots (All of 2018):** Assisted servers with various tasks at a high-end Steakhouse. Greet guests, set tables, collect dishes, and provide service to our customers that leaves a lasting impression.

Personal Projects

❖ [HTML5 + IPFS Arcade Library]
- Web application that renders various arcade games for the user to play using only HTML and JavaScript. All data is hosted using IPFS.
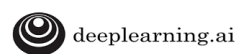**Tools:** *JavaScript, HTML/CSS, IPFS*

❖ [2 Player Web3 Emulator]
- Web3 application that allows users to connect via crypto wallet and play 90's arcade games with friends remotely from across the world.
Tools: *JavaScript, Solidity, AWS, NodeJS*

Education

Certification Links

- [Applied Data Science with Python, UOM]
- [Big Data Integration and Processing, UCSD]
- [Data Mining Specialization, UOI]
- [Data Structures and Algorithms, UCSD]

- [Deep Learning Specialization, Andrew Ng]
- [MySQL: Business Analytics, Duke University]
- [Mathematics for Machine Learning]
- [Software Development Lifecycle]