Colin Brooks

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RELATED EXPERIENCE

- Over three years of total experience as a self-taught Python programmer. Libraries known include: fastai, PyTorch, OpenAI's Gym, Stable-Baselines3, pandas, NumPy, and Matplotlib.
- Authored numerous personal research projects using deep learning & neural networks within Jupyter Notebook.
- Projects have included the research, analysis, and exploitation of company-specific features, equity market anomalies, and risk factors for the purposes of algorithmic trading, such as:
  - Analyzing stock-market news articles with NLP to predict future stock-specific volatility.
  - Simulating trading agents using reinforcement learning to buy/sell stocks in customized environments.
  - Classifying trade opportunities as long/short with recurrent neural networks using large temporal datasets.
- Future projects are to include the exploration & analysis of the cryptocurrency markets for trading, the creation of customized network architectures for individual tasks, and the application of ensemble neural networks for portfolio management.

PROFESSIONAL HISTORY

2021 Level 3 CFA Candidate

- Candidacy in the CFA Program, a three-part exam that tests the fundamentals of investment tools, valuing assets, portfolio management, and wealth planning.

Fortuna Mining, LLC   July 2021 - Present
Director of Finance

- Manage the banking relationships, finances, accounting, and bookkeeping for a cryptocurrency mining company.
- Complete financial research and analysis to provide strategic feedback on business operations.
- Forecast the company's monthly and quarterly financial position based on historical trends and business projections.

LMCU of Florida   June 2018 - Present
Commercial Credit Analyst

- Manage the commercial and residential appraisal & review process, including the bidding of assignments, the management of current and new appraisal relationships, and the approval of invoice payments.
- Prepare and analyze spreads, cash flow, and other internal financial documents using business & individual tax returns, credit reports, and financial statements.
- Underwrite commercial loan packages averaging $1-2 million or more using consolidated financial reports for the weekly Commercial Loan Committee.
- Perform ongoing maintenance, review, and covenant testing of the loan portfolio.

Newstraders, Inc.   September 2016 – May 2018
Financial Analyst

- Recorded ongoing stock-specific news within the company database to identify current and future day-trading opportunities.
- Maintained and developed numerous quantitative trading models and strategies using proprietary methodologies.
- Managed portfolio market-neutrality and daily trading, including the purchase/sale of market indices and the entry/exit of intraday & overnight positions.

EDUCATION

Florida Gulf Coast University   June 2010 – December 2015
Bachelor of Science (BS), Finance