

Stephen M. Lee

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WORK EXPERIENCE

Consultant: *Hade Technologies*

May 2018 – June 2018

- Performed a forensic audit after claims of suspicious trading behavior.
- Found and reported a vulnerability with several decentralized exchanges, saving millions of dollars in fraud.

Co-Founder: *EthMemphis*

January 2018 – May 2018

- Business focused Ethereum hackathon and workshop event with \$4,000 awarded in prizes.
- Led the planning and operations from idea through implementation.
- Managed website content, design, and communications.

Consultant: *Hade Technologies*

January 2018 – February 2018

- Audited the smart-contracts used in their ICO.
- Rewrote and deployed updated token in a three-day turnaround to fix issues found in audit.
- Suggested and created company GitHub for visibility.

Demand Planner: *Fanatics Apparel*

2015 – 2016

- Informed senior management of company vitals by sending daily sales reports.
- Reduced waste by reorganizing hundreds of untracked garments at the production facility.
- Streamlined the order entry system for on-demand and hot-market items.

EDUCATION

University of Memphis

Memphis, TN

- **M.S. Computer Science:** *Graduate Assistant* Current
- **M.A. Economics:** *Graduate Assistant* 2016 – 2018
- **B.S. Physics and Mathematics:** *Cum Laude* 2013
 - Four-year starter on nationally ranked Division-I golf team.
 - Competed in the 2011 PGA Tour FedEx St. Jude Classic.

CURRENT PROJECTS

Research: *Cryptocurrency Market Analysis*

- Question..... Are cryptocurrency prices correlated? Do the frequency or sentiment of Tweets impact the price?
- Analysis..... Cointegrating vector analysis, Granger causality tests, and fitted TGARCH models.
- Tools..... Python; eViews; and Amazon Web Service EC2 and RDS instances.

Co-Founder: *BookLocal Travel Solutions*

- Problem..... Duopoly of online travel agents creates high commission rates and lopsided legal agreements.
- Solution..... Decentralized hotel room distribution and guest booking services.
- Use..... Made first ever hotel room booking on the Ethereum blockchain at EthMemphis (proof-of-concept).
- Tools..... Truffle; Solidity; Javascript; and Mocha for testing.

TECHNICAL SKILLS

- **Data Science and Web Scraping**
 - Python including BeautifulSoup, requests, selenium, statsmodels, scikit-learn, and pandas libraries.
 - Amazon Web Services (AWS) for cloud computation (EC2) and storage (RDS).
 - eViews for timeseries analysis including ARIMA, GARCH, and VAR models, ACF and PACF graphs.
 - STATA for panel and cross-sectional data including logit, probit, and fixed effect modeling.
- **Blockchain**
 - Solidity for smart-contract development on the Ethereum network.

- Javascript and web3.js library for front-end interactions with the Ethereum Virtual Machine (EVM).