

Stephen M. Lee

(615)944-4486
smlee.981@gmail.com
github.com/slee981

WORK EXPERIENCE

- Consultant:** *Hade Technologies* 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* 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* 2018
- Audited the smart-contracts used in their initial coin offering (ICO).
 - Rewrote and deployed updated token in a three-day turnaround to fix issues found in audit.
 - Created a company GitHub for visibility.
- Planner:** *Fanatics Apparel* 2015 – 2016
- Informed senior management of company vitals by sending and maintaining daily sales reports.
 - Reduced waste by reorganizing hundreds of untracked garments at the production facility.

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-1 golf team.
 - Competed in the 2011 PGA Tour FedEx St. Jude Classic.

CURRENT PROJECTS

- Research:** *Cryptocurrency Market Analysis* 2018
- 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* 2017-2018
- 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.

TECHNIAL 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.
- **Ethereum 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).