Stephen M. Lee

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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.

Demand 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
      o Four-year starter on nationally ranked Division-1 golf team.
      o 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.

TECHNICAL SKILLS

  – **Data Science and Web Scraping**
      o Python including beautifulsoup, requests, selenium, statsmodels, scikit-learn, and pandas libraries.
      o Amazon Web Services (AWS) for cloud computation (EC2) and storage (RDS).
      o eViews for timeseries analysis including ARIMA, GARCH, and VAR models, ACF and PACF graphs.
      o STATA for panel and cross-sectional data including logit, probit, and fixed effect modeling.
  – **Ethereum Blockchain**
      o Solidity for smart-contract development on the Ethereum network.
      o Javascript and web3.js library for front-end interactions with the Ethereum Virtual Machine (EVM).