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

CURRENT PROJECTS

Independent 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.

TECHNIAL 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.
  – **Blockchain**
    o Solidity for smart-contract development on the Ethereum network.
    o Javascript and web3.js library for front-end interactions with the Ethereum Virtural Machine (EVM).