

Stephen M. Lee

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Education

University of Memphis: *Memphis, TN*

- **M.S. Computer Science** **December 2019**
 - Scholarship: Graduate Assistant
- **M.A. Economics** **2018**
 - Scholarship: Graduate Assistant
- **B.S. Physics and Mathematics** **2013**
 - Scholarship: Division-1 Men's Golf; Cecil C. Humphreys Presidential

Experience

Teaching Assistant: *Computer Science* **2018 – Current**

- Teach lab sections for the Intro to Computer Science course using the Java programming language.

Co-Founder, COO: *BookLocal Travel Solutions (passion project)* **2017 – Current**

- Wrote the original white paper outlining specifications for a traveler-facing hotel room distribution and inventory management system.
- Authored the Ethereum Request for Comment (ERC) #809 which introduced a protocol for renting tokenized assets on the Ethereum blockchain. It is now used in several other major projects.
- Implemented the proof-of-concept smart contracts for ERC-809. This version was used to record the first ever reservations made on the Ethereum blockchain at the EthMemphis hackathon and workshops event.
- Currently manage a team of developers in building out the next generation BookLocal interfaces.

Research Assistant: *Economics* **2016 – 2018**

- Contributions include preparing and presenting lectures in the MBA economics course, building proprietary datasets with webscraping techniques, and using computational methods to solve and graph a complex N-dimensional model that explores optimal firm advertising cost and prices under limited consumer consideration sets.

Planner: *Fanatics Apparel* **2015 – 2016**

- Informed senior management by sending and maintaining daily sales reports.
- Managed a project to reorganize thousands of untracked garments on the production floor.

Professional Golf **2014 – 2015**

- Competed weekly in event qualifiers for the PGA Tour and Web.com Tour, and in the European Tour's season ending qualifying events series.

Skills

Leadership

- *Project Management*..... Agile methodology; git; GitHub; Trello; prioritize and then execute.
- *Public Speaking* Conference and workshop presentations, both with and without PowerPoint.
- *Teaching* Preparing and delivering lectures; individual and group tutoring; grading and feedback.

Data Science

- *Machine Learning*..... Neural networks; decision trees; SVMs; various clustering algorithms.
- *Econometrics* fixed and random effects; probit/logit; ARMA; GARCH; VAR.
- *Statistics*..... Granger causality; t-tests; F-tests.
- *Modeling* Financial modeling; forecast planning; causal inference; constrained optimization.
- *Tools* Python; AWS; eViews; STATA; R; Java; SQL; LaTeX; Excel; PowerPoint.

Blockchain

- *Smart Contracts*..... Crypto-economic system design; Solidity, Javascript/Mocha for test driven development.
- *Tools* Truffle; Infura; Solidity; Remix IDE; openzeppelin-solidity; Javascript; React; NodeJS.