

Stephen M. Lee

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Education

University of Memphis: *Memphis, TN*

- M.S. Computer Science May 2020
- M.A. Economics 2018
- B.S. Physics and Mathematics 2013

Experience

Research Assistant: *Federal Reserve Bank of Chicago* 2019-Current

- Provide computational and policy support to the finance team in the research department.

Teaching Assistant: *Computer Science Department, U of Memphis* 2018 – 2019

- Teach Intro to Computer Science lab using the Java programming language.
- Grade assignments for Algorithms and Models of Computation, and lead review sessions.
- Won 2nd place in the departments graduate student research symposium.

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

- Designed a hotel distribution and property management system that utilizes the Ethereum blockchain.
- Authored the first standard for renting assets on a blockchain with ERC-809.
- Manage a geographically distributed team of developers in building the next generation interfaces.

Research Assistant: *Economics Department, U of Memphis* 2016 – 2018

- Provided computational support including model validation, estimation, and graphs. This work was thanked in the acknowledgements of a paper published in a top economics journal.
- Prepared and presented lectures in the international MBA economics course.

Planner: *Fanatics Apparel* 2015 – 2016

- Improved production throughput for peak season by managing a project to clean up untracked garments.
- Increased executive visibility by creating new workflows for late and missing shipment tracking.
- Headed communication between buying, management, and production teams.

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; prioritize and then execute.
- *Public Speaking* Conference and workshop presentations, with and without PowerPoint.
- *Teaching* Prepare and deliver lectures; individual and group tutoring; constructive feedback.

Data Science

- *Machine Learning*..... NLP with RNNs; decision trees; unsupervised clustering algorithms.
- *Econometrics* fixed and random effects; probit/logit; ARMA; GARCH; VAR, etc.
- *Modeling* Financial modeling; forecast planning; causal inference; constrained optimization.
- *Tools* Python; R; eViews; STATA; MATLAB; SQL; LaTeX; Excel; PowerPoint; AWS; Google Cloud.

Blockchain

- *Smart Contracts*..... Crypto-economic system design; strategy; test driven development.
- *Tools* Truffle; Infura; Solidity; Remix IDE; openzeppelin-solidity.