

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
 - Scholarship: Cecil C. Humphreys, Presidential

Experience

Graduate Assistant: *Computer Science, University of Memphis* **2018 – Current**

- Teach several lab sections for the Intro to Computer Science course.

Research Assistant: *Economics, University of Memphis* **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. Paper forthcoming.

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.

Technical

Data Science: *Scraping, Cleaning, and Analysis*

- *Machine learning*..... Neural networks, decision trees, SVMs, and recommendation systems.
- *Econometrics*..... OLS and GLS, fixed and random effects, probit/logit, ARIMA, GARCH, and VAR modeling.
- *Statistics*..... Granger causality, cointegrating vector analysis, and various other hypothesis tests.
- *Cloud*..... Amazon Web Services (AWS) for cloud computation (EC2) and database work (RDS).
- *Python*..... beautifulsoup, requests, selenium, statsmodels, scikit-learn, and pandas libraries.
- *Other Tools*..... eViews, STATA, R, Java, SQL, LaTeX, Excel.

Blockchain: *Ethereum*

- *Smart Contracts*..... Solidity with Mocha/Javascript for test driven smart-contract development.
- *Contributions*..... Co-organized the EthMemphis hackathon and workshop event.
- *Other Tools*..... Truffle, Infura, Metamask, myetherwallet, openzeppelin-solidity library.

Project

BookLocal: *Travel Solutions* **2017 – Current**

- Wrote the original white paper outlining specifications for a traveler-facing hotel distribution and property management system utilizing the Ethereum blockchain.
- Authored ERC809, proposing a standard interface for renting tokenized assets and implemented proof-of-concept and MVP versions of the smart contract systems with an eye toward flexibility and scalability.
- Manage a team of developers in building out the BookLocal interfaces.