

Stephen M. Lee

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Employment

Graduate Assistant: *Computer Science* 2018 – 2019 (Expected)

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

Chief Operations Officer, VP Engineering: *BookLocal, LLC* 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.

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. 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.

Education

University of Memphis: *Memphis, TN* 2018 – 2019 (Expected)

- **M.S. Computer Science**
 - Scholarship: Graduate Assistant
- **M.A. Economics** 2016 – 2018
 - Scholarship: Graduate Assistant
- **B.S. Physics and Mathematics** 2013
 - Scholarship: Division-1 Men's Golf
 - Scholarship: Cecil C. Humphreys, Presidential

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.
- *Other Tools* Truffle, Infura, Metamask, myetherwallet, openzeppelin-solidity library.
- *Contributions* Co-organized the EthMemphis hackathon and workshop event.