

# Stephen M. Lee

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github.com/slee981..... Code

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## Employment

- Graduate Assistant:** *Computer Science, University of Memphis* **2018 – 2019 (Expected)**
- 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.

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## Education

- University of Memphis:** *Memphis, TN*
- **M.S. Computer Science** **2018 – 2019 (Expected)**
    - 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

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## 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.

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## 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.