# **Stephen M. Lee**

https://stephenlee.info

615.944.4486

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# **Education**

### **University of Chicago:** Chicago, IL

* M.S. Computer Science courses **Fall 2019 – Spring 2020**

### **University of Memphis:** Memphis, TN

* M.S. Computer Science **December 2019**
* 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.