# **Stephen M. Lee**

https://stephenlee.info

615.944.4486

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

# **Education**

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

* M.B.A Class in Competitive Strategy **Winter 2019**

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

* M.S. Computer Science **Winter 2019**
* M.A. Economics **2018**
* B.S. Physics and Mathematics **2013**

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

# **Experience**

**Federal Reserve Bank of Chicago:** *Finance Research Department* **2019 – Current**

* In the first month alone, added over 100 contributions to the code base that is responsible for automating the production of charts and tables that inform each FOMC policy round.
* Introduced natural language processing techniques through independent and collaborative research.

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

* Taught and graded 3 sections of Intro to Computer Science Lab using the Java programming language.
* Graded assignments for Algorithms and Models of Computation, and lead review sessions.

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

* Designed and implemented a hotel distribution system that utilizes the Ethereum blockchain.
* Authored the first standard for renting assets on a blockchain with ERC-809.
* Currently manage a geographically distributed team of developers to build user interfaces.

**University of Memphis:** Research Assistant, Economics **2016 – 2018**

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

**Fanatics Apparel**: *Planner* **2015 – 2016**

* Increased production throughput by managing a project to organize over ten thousand untracked garments from the production floor.
* Improved executive visibility by creating new workflows for late and missing shipment tracking.
* Lead communication between buying, management, and production teams.

**Professional Golf** **2014 – 2015**

* Competed weekly in professional minitour events and PGA Tour and Web.com Tour qualifiers.

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

# **Skills**

### **Leadership**

* *Project Management* Agile methodology; git version control; experience managing distributed teams.
* *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* neural networks; decision trees; clustering; recommendation systems.
* *Econometrics* OLS; fixed and random effects; probit/logit; ARMA; GARCH; VAR.
* *NLP*  LDA topic models; LSTM neural networks; lexical analysis; multinomial inverse regression.
* *Tools* Python; R; MATLAB; SQL; Java; MS Office; AWS; Google Cloud.