# **Stephen M. Lee**

https://stephenlee.info

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# **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**

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# **Experience**

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

* In the first month alone, added over 100 contributions to the git repos responsible for automating the production of charts and tables that inform each FOMC policy round.
* Introduced NLP techniques to the Finance team through independent and collaborative research.

**University of Memphis:** *Teaching Assistant,* Computer Science **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.

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

* Designed a hotel distribution 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.

**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 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 thousands of 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 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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# **Skills**

### **Leadership**

* *Project Management* Agile methodology; git version control; 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* neural networks; decision trees; clustering; recommendation systems.
* *Econometrics* fixed and random effects; probit/logit; ARMA; GARCH; VAR.
* *NLP*  LDA topic models; LSTM neural networks; lexical analysis; multinomial inverse regression.
* *Modeling* Financial modeling; forecast planning; causal inference; constrained optimization.
* *Tools* Python; R; MATLAB; SQL; LaTex; MS Office; AWS; Google Cloud.