

# Matthew Kaye

**Website:** mrkaye97.github.io

**Email:** mrkaye97@gmail.com

**Cell:** (646) 853-5997

**EDUCATION**      **Carleton College**, Northfield, MN      *09/16 - 01/20*  
*Bachelor of Arts, Economics and Mathematics. GPA: 3.60*  
*Relevant Technical Coursework:* Algorithms I & II, Artificial Intelligence, Bayesian Statistics, Data Structures, Mathematical Statistics, Real Analysis  
*Relevant Research Experience:* Independent Reading on State Space Models, Senior Thesis on Urban Life Satisfaction (Advised by Professor Mark Kanazawa)

**Choate Rosemary Hall**, Wallingford, CT      *09/13 - 06/16*

**EXPERIENCE**      **Federal Reserve Bank of St. Louis**, St. Louis, MO      *06/19 - 08/19*  
Research Intern, FRED Team

- Prepared new series from the BLS, IMF, and more for upload to FRED, using Pandas for data wrangling and creating thorough metadata
- Fit neural network and multinomial naive Bayes models in Scikit-learn to apply correct descriptive tags to FRED series
- Worked as a member of an Agile team
- Wrote FRED blog posts

**Carleton College Department of Economics**, Northfield, MN      *03/19 - 06/19*  
Econometrics Teaching Assistant for Professor Mark Kanazawa

- Ran two sessions per week to help econometrics students master course material, improve their R and L<sup>A</sup>T<sub>E</sub>X skills, think through projects, and prepare for exams
- Graded homework assignments

**Carleton College Statistics Lab**, Northfield, MN      *09/18 - 06/19*  
Lab Assistant

- Helped Carleton students master statistics material
- Worked with students on improving important R skills and debugging code

**Carleton College Math Skills Center**, Northfield, MN      *09/17 - 11/18*  
Tutor

- Helped Carleton students master calculus and linear algebra material

**Northfield Information Services**, Boston, MA      *06/17 - 08/17 and 06/18 - 08/18*  
Real Estate Risk and Data Science Intern

- Built a MySQL database of property types and location coverage for clients
- Used R (dplyr, tidyr, data.table, etc.) to complete everyday data wrangling, data visualization, and ARIMA modeling tasks for the real estate risk team

**SKILLS**      *Technical:* Java, Python (Numpy, Pandas, Scikit-Learn, Statsmodels), R, SQL, Tableau  
*Language:* Non-native fluency in Spanish, basic French, basic Portuguese

**INTERESTS & HOBBIES**      Baseball, chess, cooking, data visualization, reading, running, skiing, solo travel