

Matthew Kaye

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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^AT_EX 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, skiing, solo travel