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 LaTeX 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 assmodeling 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