

Ian de Medeiros

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- Full-stack engineer with a particular fondness for back-end and database development
- Patient and creative problem-solver who enjoys diving into problems
- Team-player who places an emphasis on clear, concise communication and clean documentation
- Passionate about using novel technology to solve real-world problems and improve people's lives

Skills

Technical - JavaScript | R | Python | Django | Latex | Heroku | ReactJS | MongoDB | Matlab | Git | Node.js | NoSql | SQL | HTML | CSS

Non-Technical - Data Visualization | Research | Technical Writing | Time Management | Public Speaking

Experience

General Assembly

Software Engineering Associate | July 2020 – October 2020

- <Developer-Verse/> - Full-stack application created in conjunction with my classmates. I assisted with the construction of the back-end and model permissions, designed the database, and deployed the back-end via Heroku
- py-cheesi - API containing data on all 1833 speciality cheeses using data scraped directly from cheese.com
- First Families API - Full Stack MERN application created to hold basic biographical information on each president and their descendants with a front-end that allows full interaction with the Heroku back-end server

Jensen and Associates

Financial Planning Assistant | July 2019 - July 2020

- Analyzed client financial data; reviewed and correlated personal goals to provide actionable insights by drafting financial plans for senior financial advisers within the practice to review
- Facilitated money movements and executed and monitored trades for licensed partners
- Collected, processed and documented market research data to facilitate client communication and financial decision making
- Worked with clients that had under \$750,000 in networth at Ameriprise

The Board of Governors of the Federal Reserve System

Senior Research Assistant | July 2018 – July 2019

- Performed Matlab simulations testing the effect of various monetary policy commitment strategies on macroeconomic indicators and used those simulations to create figures for analysis and inclusion in research paper
- Developed and maintained R Shiny Dashboard for outsourcing prediction of economic indicators among staff using R and GitLab, specifically the creation of user specific Phillips Curve
- Automated the creation of tables and figures for key economic indicators using an R Shiny Dashboard for presentation at monthly policy meetings among senior economists
- Taught, developed, and implemented curriculum for analytics-focused economics course at Howard University

Research Assistant | July 2017 – July 2018

- Analyzed historical mortgage and labor data and created figures to provide insights for economists' research and policy work using R and Stata
- Proofread academic papers and model documentation for presentation at economic conferences
- Completed literature reviews to assist economist research

Education

Economics, Masters of Arts (May 2017), Miami University, Oxford, OH

- Thesis: "Keeping Up with the Joneses: The Effects of Income Inequality on Mental Health."

Statistics, Bachelors of Science (May 2017), Miami University, Oxford, OH

- Intensive Summer Language Program in Germany

Economics, Bachelors of Arts (May 2017), Miami University, Oxford, OH

- University of Graz Economics and Ethics Seminar, 2015