

# Ian de Medeiros

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**Full-Stack Engineer with a passion for back-end and development and data visualization, and background in academic research, finance, and teaching**

## Skills

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**Programming Languages** - JavaScript, R, Python, Stata, HTML, CSS, LaTeX

**Platforms and Frameworks** - React Native, React, Flask, Django, SQLAlchemy,, Node.js, Express, MongoDB

## Experience

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### Software Engineer

Remote

Dibbs Technology

February 2020 – Present

- Develop and maintain Dibb's full-stack mobile application using React Native, Redux, and Redux-Sagas
- Design and develop the back-end database in Django using PostgreSQL combined with AWS RDS, S3, and Elastic Beanstalk
- Coordinate tasks between development team and freelance software engineers and UX designers

### Software Engineering Immersive

Remote

General Assembly

August 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 - *Python, Django, Heroku*
- [py-cheesi](#) - Flask RESTful API containing data on all 1833 speciality cheeses using data scraped directly from cheese.com - *Python, SQLAlchemy, Flask, Heroku*
- [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 - *JavaScript, ReactJS, Mongoose*

### Financial Planning Assistant

Chicago, IL

Jensen and Associates

July 2019 - June 2020

- Analyzed client financial data; documented and correlated personal goals to provide actionable insights by drafting financial plans for senior financial advisers
- Facilitated money movements by carefully executing and monitoring trades for licensed partners

### Senior Research Assistant

Washington, DC

The Board of Governors of the Federal Reserve System

July 2018 – July 2019

- Developed and maintained R Shiny Dashboard for outsourcing predictions of economic indicators among staff using R and GitLab
- Automated the creation of tables and figures for key economic indicators using an R Shiny Dashboard for presentation at monthly policy meetings among non-technical stakeholders
- Taught, and developed, curriculum for analytics-focused economics course at Howard University

### Research Assistant

Washington, DC

The Board of Governors of the Federal Reserve System

July 2017 – July 2018

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

## Education

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<b>Miami University</b>	<b>Oxford, OH</b>
<ul style="list-style-type: none"> <li>• Masters of Arts, Economics <ul style="list-style-type: none"> <li>◦ Completed 3+1 program and defended thesis titled "Keeping Up with the Jones: Income Inequality's Effect on Mental Health"</li> </ul> </li> </ul>	2017
<ul style="list-style-type: none"> <li>• Bachelors of Science, Statistics</li> </ul>	2017
<ul style="list-style-type: none"> <li>• Bachelors of Arts, Economics <ul style="list-style-type: none"> <li>◦ University of Graz Economics and Ethics Summer Seminar</li> </ul> </li> </ul>	2017