

James Doucette
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EDUCATION

The University of Chicago, Chicago, IL

Degree: *Bachelor of Science in Math and Computer Science*

Expected Graduation June 2022

GPA: 3.73/4.00

Deans List 2019

EXPERIENCE

Everest Reinsurance Group, Liberty Corner NJ, Intern, Summer 2019

- Made script to pull automatically stock prices from internet and calculate return and beta
- Made script to pull many parameters (income, home prices, unemployment, home ownership rate) from ACS database and other data (country latitude/longitude, interest rates) at county level
- Approximated data where not available, and estimated risk of mortgage default
- Made visualization of results in Power BI
- Presented work at end of Internship

Adapt Ready, Online, Intern, Summer 2020

- Getting webpage source code and parsing page for data and links
- Set up system to automatically download SEC XBRL data
- Extract useful information from XBRL with XML parser and NER

Phoenix Tutoring, Fall 2020

- Tutoring local students in Math, done through University of Chicago

PERSONAL PROJECTS

Personal Website

- Smaller Projects can be viewed here
- Can be accessed at <https://jmdoucette.github.io/>

Spotify Unlocked (Made alongside Christian Doucette)

- Accesses and presents data on songs, artists and users from Spotify API
- Computes some things not directly available: chords, extra user stats
- Can be visited at <https://spotify-unlocked.herokuapp.com/>

SKILLS

- Lots of experience with Python and C
- Some experience with R, Racket (functional programming) and Ruby on Rails

INTERESTS

Running, weightlifting, guitar