

JACOB LAGESSE

WORK EXPERIENCE

Developer

The New York Times | March 2020 - March 2021

- Engineered and maintained a Node.js scraper system to collect and analyze Covid-19 outbreak data from 40 state government sources
- Led development of Python scripts to extract population data from over 350 state prison report documents
- Used: JavaScript (Node), Python

Undergraduate Researcher

RJI Innovation & Futures Lab | Aug 2019 - Present

- Developed web applications, software tools and data pipelines
- Worked in one-on-one sessions with research mentor, around 10 hours each week
- Used: Python (Django), JavaScript, AWS Lambda & S3

Graphics Editor

The Maneater Student Newspaper | Aug 2019 - Present

- Mentored data/graphics team and led weekly meetings
- Built interactive data visualizations in D3.js to enhance data-driven stories
- Created and deployed an autonomous data pipeline to scrape, analyze and visualize Covid-19 case data on campus
- Used: JavaScript, Python, Google Apps Script, Observable, Tableau

PROJECTS

Spotify Tracker | spotifytrack.me

- LAMP stack web app that uses Spotify's API to track user preferences for songs and artists on Spotify's platform
- Used: PHP, JavaScript, HTML/CSS, MySQL, AWS EC2

Portfolio Website | jacoblagesse.com

- React project to showcase professional work and personal projects
- Used: JavaScript (React), SCSS, HTML

EDUCATION

University of Missouri | 2023 expected

Bachelor of Science in Computer Science

Honors College, Math minor

4.0 GPA

Clayton High School | 2019

4.14 GPA, 36 ACT

CONTACT

jacoblagesse@gmail.com

(314) 380-1009

Columbia, MO, 65201

www.jacoblagesse.com

github.com/jacoblagesse

SKILLS

General

- Programming
- Full stack development
- Design
- Data analysis + visualization
- Communication
- Writing/editing

Technical

- Python
- JavaScript
- C
- PHP
- HTML/CSS
- SQL
- Django
- React

HONORS & AWARDS

- **Outstanding Discovery Fellow** (2020), University of Missouri Honors College
- **Walter Williams Scholar** (2019), University of Missouri
- **Finalist** (2019), National Merit scholarship