

RYAN LACOURCIERE

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github.com/Rlacc

Education

University Of Maryland

College Park, MD

Bachelors of Science in Computer Science, 3.66 GPA, ACES Honors College

Expected Graduation May 2026

- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Basic Data Structures, Discrete Structures, Linear Algebra, Calculus I, Calculus II, Statistics

Experience

Esri - ArcGIS Hub

Remote

Software Development Intern

May 2024 - August 2024

- Developed a full-stack developer dashboard with a React frontend and Express backend, enabling management of test servers through the AWS SDK.
- Built a fully automated CI/CD pipeline using GitHub Actions, pushing updates to an AWS ECR repository and deploying the application in AWS ECS.
- Implemented an auto-delete feature via AWS Lambda, with all AWS infrastructure defined and managed using Terraform for infrastructure as code.

RSV Pools

Boyd's, MD

Lifeguard - Assistant Manager

May 2021 - Aug 2023

- Demonstrated leadership by coordinating with fellow lifeguards to effectively manage crowded swimming areas.
- Efficiently responded to emergency situations, administering first aid, and performing CPR when necessary.
- My experience as a lifeguard instilled in me a strong sense of responsibility, adaptability, and the ability to work under pressure.

Personal Projects

CareLink - Esri Intern Hackathon Award Winner - Devpost

July 2024

- Collaborated in the development of the CareLink app during the 2024 Esri intern hackathon, creating a platform to connect the unhoused population in LA with nearby resources.
- Developed an automated phone system using Twilio, leveraging Spacy's NLP model to extract and analyze key terms from user interactions.
- Integrated extracted data into an ArcGIS dashboard app, providing real-time insights and visualizations for hotline assistants.

Major League Baseball Pitch Tracker

Jan 2024

- Developed an interactive web application to track and visualize pitching statistics of MLB players from the 2023 season.
- Implemented a user-friendly front-end interface using React, enabling users to select and view detailed statistics of various MLB pitchers.
- Utilized a Flask backend to handle requests, efficiently querying an SQLite database for up-to-date pitching statistics.
- Employed Pandas to effectively import data from the SQLite database into dataframes, streamlining the process of transforming intricate pitching statistics into clear and informative visual representations.

Slot Machine Web App - ryans-react-slots.web.app

Oct 2023

- Developed and deployed a dynamic React web application replicating a slot machine, showcasing an interactive user interface and real-time functionality.
- Utilized React hooks to manage the app's state and access DOM elements, enhancing the app's performance and user experience.
- Deployed the app using Firebase hosting, utilizing a Node.js runtime environment to ensure smooth server-side operations.

Technical Skills

Languages: JavaScript, Python, Java, C, Assembly, Ocaml, Terraform/HCL, HTML/CSS, MatLab

Technologies/Frameworks: React, Express, Node.js, AWS, Docker, Flask, Playwright, SQLite, Pandas, FastAPI, Selenium, Beautiful Soup

Developer Tools: GitHub Actions, VsCode, Eclipse, PyCharm, Git, Postman, Linux