

Mario Medel

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EDUCATION

North Carolina State University

B.Sc. in Computer Science; major GPA: 3.46/4.00

Raleigh, NC

Aug 2021 – Jun 2023 (Expected)

Forsyth Technical Community College

Associate in Engineering; GPA: 3.94/4.0

Winston-Salem, NC

Aug 2019 – Jun 2020

WORK EXPERIENCE

Red Ventures

Rock-Hill, SC

BackEnd Software Engineering Intern on RV Home

Jun 2022 – Aug 2022

- Planned, designed, implemented, and presented a movie recommendation system with a backend server for a winning full stack movie project using Golang for an engineering internship competition (2 day implementation)
- Built a GoLang script that uses the WordPress API to remove duplicate images from over 1500+ articles, saving team resources
- Spun down 10+ unused resources from AWS ECS using Terraform
- New Grad offer (Unaccepted) (Fall '23 start)

Red Ventures (Road2Hire)

Rock-Hill, SC (remote)

Learning & development intern

Jun 2021 – Aug 2021

- Design and Implemented front-end portfolio website, instructors voted best website out of 50+ interns evaluations
- Presented and actively participated in public speaking activities to develop effective professional communication
- Engaged in Udemy courses and group projects to learn Python, HTML, CSS, and SAAS

Code the Dream School

Durham, NC (remote)

Intro to Programming student (Catarina class audit)

Nov 2020 – Feb 2021

- Charted HTML, GIT, JS, and CSS skills from beginner to intermediate
- Completed weekly exercises and semi-weekly projects to further develop problem-solving

PROJECTS

Movie Recommendation & BackEnd Server | [GitHub](#)

- FrontEnd/BackEnd web application where you input the name of a movie and the recommendation algorithm will provide you a list of recommendations based on the movies in the IMBD API
- This was a team project with 4 total interns during an internal engineering competition. With only a 48 hour window, my focus was on developing a pattern matching algorithm for movies and implementing a small backend server using Golang and the net/HTTP package to serve results to frontend

Equihire (HackDuke 2022 winner) | [Demo](#)

- Design & implemented a backend server using Flask Python to receive a PDF formatted resume for parsing into JSON format for our frontend while also saving this information for candidates in our CockroachDB

Java Data Structures & Algorithms Library (school project) | [GitHub](#)

- Efficient implementations of various data structures (hashmaps, graphs, trees, etc.) and searching algorithms (Dijkstra, BFS/DFS, Binary Search, etc.).

SKILLS

Programming: GoLang, C, Java, Python, MySQL, HTML5, CSS3, Terraform, JavaScript

Technologies/Frameworks: Git, Jenkins, JUnit5, Spring Boot, Hibernate, Bootstrap, Tailwind CSS, Docker, AWS (SQS, ECS), REST API, CLI, NumPy, Matplotlib, Pandas, SciKit-Learn, Flask, CockroachDB

Languages: Spanish (Native), English (Professional)

RELEVANT COURSEWORK

Coursework: Calculus I-II-III, Data Structures & Algorithms, Applied Differential Equations I, Automata/Grammars/Coputability, Automated Learning & Data Analysis, Discrete Math for CS, Network Security, Software Engineering, Software Development Fundamentals, Software Security, C Software/Tools