**Rodrigo Cid Lopes**

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# EDUCATION

## **Bachelor of Science | Computer Science** August 2022 - December 2024

## Florida International University | Miami, FL

Relevant Coursework**:** Applied Data Structures, Software Dev. Studio, Programming 1 & 2, Discrete Structures.

## **Bachelor of Arts | Economics** August 2018 - December 2021

## University of Florida | Gainesville, FL

Relevant Coursework: C++ Prog., Econometrics 1-2, Calculus 1-3, Linear Algebra, Differential Equations.

# PROJECTS

**Frontend Software Engineer | CodeNected:**

**-** Built landing page and key components of a complex dynamic website for connecting coders to projects.

- Coordinated with a team of 15+ engineers and designers to implement app’s desired design and functionality.

- Implemented intricate components using JSX and React (with hooks) to attractive and practical outcomes.  
- Used custom react hooks to call RESTful APIs for dynamic components.

Skills: React, Git, Version Control, Javascript, HTML/CSS, Sass.

**Lead Software Engineer/Project Manager | Show Tracker (In-progress):**

**-** Led a team of 3 engineers to develop a React Native mobile app that tracks shows on streaming platforms.

- Coordinated team over several months to manage project flow and accomplish app goals.

- Designed and implemented key app functions such as the general layout and tracking functionality.

Skills: React Native, Javascript, Sass, Git, Gitflow, Agile, Trello, PM.

**Data Analyst | Smart Technology Analytics:**

- Compiled 15 metrics of a wellness company’s product using spreadsheets and SQL queries, including over 12,000 datapoints, and analyzed trends to create 7 visualizations and draw conclusions.

Skills: SQL, Spreadsheet Functions, Tableau, Data Reporting.

# SKILLS

**Programming Languages:** Java, Javascript, SQL, R, HTML5, CSS3.

**Technologies:** React, Sass, React Native, Express.js, Node.js.

**Tools:** VS Code, Git, Github, Figma, PowerBI, Tableau.

**Involvement:** Google Developer Student Club, Upsilon Pi Epsilon.

# CERTIFICATIONS

## **Data Structures and Algorithms Specialization** November 2022 - January 2022

UC San Diego | Coursera

- Learned key data structures and algorithmic techniques, applying them to real-world challenges.

## **Data Analytics Professional Certificate** September 2021 - January 2022

## Google | Coursera

- Achieved a strong foundation of analytical skills and a practical understanding of data analysis.

# EXPERIENCE

### **Computer Science Tutor** August 2022 - December 2022

Florida International University | Miami, FL

- Tutored peers in object-oriented programming (Java), teaching rudimentary programming concepts such as use of variables, methods, branches, loops, and key OOP concepts such as classes/objects and inheritance.

- Implemented live coding and PRIMM pedagogies to foster a deeper fundamental understanding of programming concepts and application in students.

### **Finance Intern** September 2020 - November 2020

## Alan Cohn for Congress | Tampa, FL

-Provided research and data entry services for a $2.3 million dollar national fundraising operation through SQL queries and spreadsheet functions, Arranged virtual events raising over $100,000 in 3 months as a team.

-Catalogued quantitative and qualitative data on over 1,000 top democratic contributors across the United States.