

# Enelson Castro

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Curious coder with a passion for the terminal and scripting languages.

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## Skills

Front End	Back End	DevOps	Platforms	Database
HTML/CSS	PHP	Git/Github	Android	MySQL
Javascript	Python	AWS/Docker	Linux	GraphQL
Typescript	Java/Kotlin	Apache/Nginx	Windows	DynamoDB
React Native	C/C++	Selenium	Qualtrics	

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## Professional Experience

**Developer at STIR LAB** | Orlando, Florida, USA.

June 2019 - July 2020

- ▷ Converted mockup into a website using HTML, CSS, and Javascript.
- ▷ Analyzed Instagram data export and construct a relational database and schema using MySQL.
- ▷ Developed Instagram data upload and database parsing using AWS Lambda functions.
- ▷ Connected workflow with Qualtrics Survey and added a personalized experience.
- ▷ Guided the users on a data oriented survey to evaluate risky Instagram conversations based on the criteria.

## Projects

**Mips Simulator for CDA3103 - Computer Organization and Logic**

- ▷ Implemented ALU operations, PC update, write register and other functionalities for a simplified MIPS instruction set.
- ▷ Compiled the MIPS emulator from C source code
- ▷ The executable accepts .asc files with MIPS programs, emulates them, and prints out the content of the registers.

**PL/0 Compiler and Virtual Machine for COP3402 - System Software**

- ▷ Build a virtual machine known as P-Machine that has a stack that contains the data stack and the program text.
- ▷ Implemented a lexical analyzer and parser for the PL/0 language.
- ▷ Constructed in C lang a PL/0 compiler that generates byte code for the P-Machine.

**myGrowth** | [Source](#)

- ▷ Compiled design documents illustrating the project capabilities, limitations, and future plans.
- ▷ Constructed a multiplatform application using React Native that interacted with an AWS Serverless back-end secured through AWS Cognito.
- ▷ Developed a system to effortlessly collect daily health entry from the user and store them in the database for later editing and data visualization.

**QuizApp** | [Source](#)

- ▷ Designed mobile application mockups using Moqups using Android component set.
  - ▷ Implemented secure register and login capabilities for the website and mobile client.
  - ▷ Developed the mobile application from scratch using Android Studio with CRUD capabilities that complemented the website dashboard.
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## Education

**University of Central Florida** | B.S. Computer Science

08/2017 - 05/2021 | Orlando, Florida, USA.

GPA: 3.5

## Interest

Hackathon Enthusiast | Linux Ninja | Machine Learning Beginner | Raspberry Pie Hacker