

Henrique Painhas

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EDUCATION

The Ohio State University, Columbus, OH

2015-2020

- **GPA: 3.28**
- **Major:** Computer and Information Sciences - Software Engineering focus

WORK EXPERIENCE

eRetailing Associates LLC, Software Engineer/Android Engineer

Columbus, OH, 2019-Present

- Used Java and Android Studio for the frontend, and Perl, SQL, and OkHttp for the backend to develop a scanner Android application for the Zebra MC40 scanners. The app uses different web transactions to help workers with warehouse management tasks. These tasks involve: assign, locate, identify, pick, put away, receive, and transfer items, orders, packages, tubs, locations, pallets, carts, and cart shelves. The goal is to make the warehouse become paperless and the order workflow more efficient.
- Communicated directly with employees at the warehouse to get feedback from the app as well as their desired additional functionalities.
- Used Shell Script to write a software called KioskPi which is an automated program that waits for each web page to load completely, and then automatically log in with the right credentials based on current page. This program uses a Raspberry Pi 2 to display all the information about the orders being processed in the warehouse as well as the printers being used to process them on a screen.
- Used Perl Script to write a software that makes the Raspberry Pi Zero W automatically send commands to a pre-treating machine called Viper MAXX and start it. The software helps avoid human errors and workers around the machine are now able to multitask.
- Working in a fast-paced environment helped to develop my responsibility and teamwork skills.

Vyra, Co-Founder and CTO (startup project)

Columbus, OH, 2020

- Used React JS for the frontend and Node JS, Express, MySQL and AWS for the backend. The web application includes a built-in calendar, dashboard, candidate management tools, real-time screenshare, real-time note taking, etc.

TECHNICAL PROJECTS (for sample codes and other projects, visit <https://github.com/HPainhas>)

Countries App

- Basic Android application that covers all the modern Android development patterns in Java. This includes: MVVM architecture, Lifecycle Extensions, Dagger2, RxJava, Retrofit, Glide, and some simple Unit Testing.

DevConnector

- An in-depth full-stack social network application for developers. The tech stack I used includes Node.js, Express, React, Redux, and MongoDB along with ES6+.

Homeowner Buddy

- A cross-platform mobile app which interacts directly with the web app. The mobile app allows Habitat Mid-Ohio homeowners to search for a tutorial video on how to solve a particular home issue they might have. My team and I used Xamarin Forms, REST architecture, and C# to implement the app.

TECHNICAL SKILLS

JavaScript, Java, Android Development, SQL, React, SmartGit, Android Studio, Firebase

INTERCOLLEGIATE ATHLETICS

Ohio State Division I Varsity Men's Swimming and Diving Team

- 2nd place at Men's 100y Backstroke at 2019 Big Ten Men's Swimming and Diving Championships
- Recipient of the 2018 Ohio State University Swimming & Diving Carl Wirthwein Award (Most Improved Swimmer)
- Placed 6th in the 100m Butterfly at 2015 FINA World Junior Swimming Championships

LEADERSHIP ACTIVITIES

Design, Develop, Deploy Organization (D3)

Columbus, OH, Fall 2019

- Collaboratively worked on a team to develop a platform that will change the way technical interviews work in the tech world.

2015 Junior Special Olympics Championship Swim Meet / 2016 Special Olympics Winter State Championship Swim Meet

- Volunteered as a timer.