# McKenzie Church

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## Skills

- Java (SpringBoot, OOP, GraphQL)                                    SQL & NoSQL
- Python (data ETL)                                    JavaScript (React, Node, Express)
- Google Cloud Platform (Vertex AI, BigQuery)                  Version Control (GitHub)

## Education

University of West Georgia                                                          Carrollton, Ga
*Bachelor of Science, Computing*                                          Projected: May 2024
                                                                            **(available full-time Jan. 2024)**

## Job Experience

*Software Engineering Intern*                                            May 2022 – Present
The Home Depot

- Implemented logic in a Java SpringBoot API to fetch custom default advertisement banners to display internal targeted content for webpages by taxonomy, increasing search-engine optimization scores for Google querying
- Updated JavaScript DGS repo to load banners from a Java API using GraphQL calls
- Updated front-end ReactJS code to report banner component statuses and performance for monitoring via New Relic visual dashboards to increase time efficiency in troubleshooting and solving banner errors
- Implemented and maintained Confluence and GitHub documentation regarding code changes made to existing repositories and their purposes, validation (for use by developers), and user walkthrough

*Certified Pharmacy Technician*                                        October 2021 – Present
Publix

- Adhered to HIPAA laws (patient privacy) in conducting and organizing patient information for a high-volume (~500+ prescriptions/day) pharmacy
- Information management: secured information, controlled-substance prescriptions, and translating healthcare information for patients via electronic transfer, facsimile, verbal, and/or paper while adhering to HIPAA laws and following DEA protocols
- Aiding in vaccinating the 67% of Carrollton, GA residents (~100+ vaccinations/week) during and after the COVID-19 pandemic

## Projects

*Computer Vision Machine Learning – The Home Depot OrangeWorks*

- Used GCP's Vertex AI library to train ~400 images for an object detection model to predict products and their price from user-uploaded images via a Flutter app with a >90% precision score

- Collaborated with another SWE intern to connect their Flutter front-end app (Android) to the model via a Python REST API call to a cloud endpoint
- Implemented unit and mock testing for successful and failing API responses using Dart

*Customer Shopping Prediction – The Home Depot OrangeWorks*
- Implemented an internal platform that allows associates to predict a customer's future purchases based on their past purchase data for identifying sales opportunities in maintaining relationships and accounts with pro business customers
- Built a back-end server using ExpressJS to fetch & display cloud data to a ReactJS front-end application in a readable format
- Maintained detailed documentation regarding the project's functionality & specifications