Charles Jenkins

Software Developer

🎓 Education

Bachelors in Computer Science, Georgia Institute of Technology, Atlanta, GA

August 2019 – May 2023

GPA: 3.93 / 4.00

Threads: Intelligence, Systems & Architecture

💼 Employment History

Embedded Software Development Intern, Rockwell Automation

May 2021 – August 2021

- Worked alongside the other Scrum members of the CI team to create new Jenkins pipelines and improve developer testing experience
- Improved performance of CI analytics website by 98% by levering Postgres SQL
- Utilized python machine learning tools to generate a plot for a unit test and detect anomalies

LIDAR Lab Computer Vision Research, Georgia Tech

January 2021 – Present

- Worked on developing a semantic segmentation machine learning model for real-time walking robotics alongside both graduate and undergraduate students.

Objects and Design Teaching Assistant, CS 2340 Georgia Tech

August 2020 – December 2020

- Redesigned teaching website in Jekyll and created examples for UML diagrams
- Held office hours and supported students throughout semester

Returning Android Development Intern at Dexcom, San Diego, CA

May 2019 – August 2019 and June 2020 – August 2020

- Led mobile apps intern team for both Android and iOS
- Designed architecture using UML
- Created a library that communicated with a Dexcom server to improve the user experience

📊 Projects

Activity Tracker: https://github.com/davidburns573/ActivityTracker

- Programmed a choice between cloud and local database, freedom to reorder/delete items.
- I worked extensively with the Firebase networking on the app, and helped code the SQL database, alongside creating the app architecture.

Store navigator: https://github.com/thecharlesjenkins/StoreNavigator

- An API written in Go that allows a user to find the optimal path through a store to purchase all of the items on their shopping list created during a hackathon.
- Generates a graph of the store to find the items on the user's shopping list.

⅄ Extracurricular

RoboJackets RoboRacing

September 2020 – Present

Georgia Tech

Using ROS and C++, I write code for our competitive autonomous robot and test inside of a simulation. The projects I have worked on include a perception stack to detect other robots and walls.

Data Analysis Member "For the Kids"

September 2019 – April 2020

Georgia Tech

A founding member of the data team to discover trends and improve the club's ability to raise money for the Children's Hospital of Atlanta.

Details

858-860-4403

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Links

thecharlesjenkins.com

linkedin.com/in/charles--jenkins

github.com/thecharlesjenkins

Skills

Flask/SQL: Developed analytics website at Rockwell Automation

Jenkins/Groovy: Developed pipelines for Rockwell Automation

Java/Kotlin: Programmed commercial Android apps

Android Studio: Deployed Android applications to Google Play Store

C/C++: Programmed with RoboJackets

ROS: Programmed with RoboJackets

Python: Course at Georgia Tech

Flutter and Dart Android Framework

ReactJS: Created my website

Go: Created API Server at Hackathon