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PROFESSIONAL EXPERIENCE

Wirtgen Group

Atlanta, Georgia

Full-Stack Software Engineer (Contract)

October 2023 – February 2024

- Contracted to lead the development of a full-stack mobile inspection application for internal use at the company.
- Collaborated cross-functionally with company stakeholders, participating in design and iteration processes.
- Thrived in an agile environment, meeting deadlines, and adapting to evolving project requirements.

CLEAR

New York, New York

Software Engineering Intern

June 2023 – August 2023

- Worked on the flagship iOS app and delivered a proof of concept leveraging **Swift** & Bluetooth IoT hardware.
- Developed a full-stack demo service using React in JavaScript and Flask in Python to present to senior leadership.
- Intern project streamlined CLEAR verification experience for over 5 million members, reducing verification time.

Signify – Cooper Lighting Solutions

Atlanta, Georgia

Software Engineer Intern

January 2023 – May 2023

- Played a key role in developing Wavelinx Lite version 5.0, a mobile app that controls IoT connected smart lights.
- Operated as a backend engineer building a wide variety of Rest API's using **Java/Spring** Framework for the app.
- Worked as the sole intern in an agile team using industry best practices in version control, debugging, and testing.

NCR Corporation - D3 Digital Banking

Atlanta, Georgia

Software Engineer Intern

May 2022 – August 2022

- Full stack engineer used **Spring** with **React** to create REST APIs generating reports for 200,000+ customers.
- Collaborated with three other interns and senior developers in a test-driven agile scrum team.
- Spearheaded project deploying into the consumer facing web app, & reduced product delivery timeline by a year.

PROJECTS

Wirtgen Inspection App

- Deployed a full-stack inspection app, featuring predictive dashboards for admins and photo-inspections for employees.
- Architected the app using **React Native** in the frontend and implemented a FastAPI backend with **Python & PostgreSQL**.
- Introduced a data-driven approach to parts replacement, empowering admins to minimize downtime and optimize costs.

Itini-ready

- Developed the backend of an itinerary generator that makes personalized recommendations based on user preferences.
- Implemented this using **Flask** server in **Python**, integrating Maps APIs and machine learning text vectorization models.
- Collaborated with front-end developers to ensure seamless integration of the backend with the front-end user interface.

WatchDawgs Cinema

- Led a team and orchestrated the process and requirements to develop a full-stack cinema e-booking web app.
- Utilized **Node.js**, **React.js**, and Firebase tools to complete the application within a deadline of 10 weeks.
- Implemented full functionality of movie adding/editing, promotional codes, booking, and email notifications.

Near Field App

- Wrote, designed, and developed **iOS** app in **Swift** using Apple's SwiftUI and Core NFC framework.
- Designed the iOS app to utilize iPhone's built-in NFC scanner and writer allowing the user to read and write NFC tags.
- Developed app to allow NFC tags to store text files, URL's, Bluetooth profiles, and Wi-Fi profiles.

SKILLS

Languages: Python, Swift, Java, JavaScript, Typescript, C, C++, HTML, CSS, SQL, PHP

Frameworks & Tools: Spring, Flask, Django, React, SwiftUI, FastAPI, PyTorch, Node.js, SQLAlchemy, Docker, Postman, Unix

Fluent in Spanish - Received Georgia Seal of Biliteracy

EDUCATION

University of Georgia

Athens, Georgia

Recent Graduate with a Bachelor of Science in **Computer Science**

August 2020 – December 2023

Relevant Coursework:

Software Engineering, Data Structures, Algorithms, Operating Systems, Web Programming, Mobile Dev, Computer Graphics