Omar Carrillo

ocarr155935@gmail.com | (219) 307-5488

LinkedIn: https://www.linkedin.com/in/omar-carrillo-882095195/ | **Handshake**: https://uic.joinhandshake.com/stu/users/26020384

Education

Bachelor of Science in Computer Science   Graduated May 2023
University of Illinois at Chicago
- GPA – 3.14/4.00
- Relevant Coursework: Software Design, Cloud Computing Objects, Development of Mobile Applications, User Interface Design, and Database Systems.

Skills

Languages: C/C++, Java, Scala, Python, JavaScript, HTML/CSS, React

Experience working in an Agile programming environment with use of Jira and fluently speaks Spanish.

Projects

Interactive Portfolio in React with CTA Ridership Project (In Progress)   Spring 2023
- An interactive portfolio in the style of a website with animations and styling: https://ocarr3.github.io/react-cta-portfolio/
- Page dedicated to project where users can interact with the map of the CTA's train routes to request ridership information in which they can select parameters such as specific lines and stations, an interval of dates, days of the week, etc. from the database.
- The requests from users are translated into queries that on the backend side will fetch information and displayed back to the user in a digestible manner.

Development of User Interface Prototype with a Startup Idea   Spring 2023
- The team was tasked with using the idea for a tech startup as a starting point for developing a usable prototype.
- Beginning with the startup's mission as a mobile ordering application for local coffee shops we did user testing to organize ideas for key features in the application.
- Built prototypes with low and high fidelity to help with further user testing to create personas and task flows for a final picture-perfect prototype.
- Our final prototype was built using HTML/CSS and React.

Amazon Web Services Lambda Function to access S3 Objects   Fall 2023
- **Repository:** https://github.com/ocarr3/CS441Homework2 **Demo:** https://youtu.be/EzrW624_ZPo
- Using Scala to invoke the correlated REST API Gateways to different lambda functions written in Python.
- Lambda functions accessed log files within specific S3 Buckets and processed files according to timestamps decided by user when invoked in the Scala application.
- Response from lambda functions returned the results of the search within the timestamps given by the user.

Distributed Program to deploy on Amazon Web Services EC2 IaaS   Fall 2023
- **Repository:** https://github.com/ocarr3/CS441_Fall2022 **Demo**: https://youtu.be/7R4U8fRmB4M
- An application written in Scala to process batches of log files based on critical information within the log entries using Apache Hadoop and MapReduce to write corresponding mappers and reducers for the specific log entries.
- Included configuration capability, logging framework (log4j) and ability to package and deploy on an Amazon EC2.

Software Development and Coding Project   Spring 2022
- Developed an idea for a piece of software with a professional document of the software's goals, requirements, and constraints.
- Worked on the documentation of a previous team's idea for software and developing demos based on their ideas. This was done in Python incorporating a database of users and an interactive map user interface.
- Worked in an Agile software development environment, attended weekly meetings with groupmates to document progress and action items for the upcoming work week using Scrum and updating a Jira board.

Work Experience

Warehouse Associate
NNR Global Logistics Inc.   May 2021 – Sep 2022
- Performed inventory checks on available electronic material with focus on organization.
- Ensured electronic parts ordered were collected and packed together for outbound shipments.
- Completed picking process for electronics in warehouse storage for outbound orders.