# Omar Carrillo

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## 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 2024
- 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
- Team of peers was tasked with developing a prototype interface based on a tech startup's idea and goals
- Using interface designing principles and user testing to design a usable prototype using HTM, CSS and JS.

**Amazon Web Services Lambda Function to access S3 Objects**                                  Fall 2023
- **Repository:** https://github.com/ocarr3/CS441Homework2 **Demo:** https://youtu.be/EzrW624_ZPo
- Client and Server applications written in Scala that communicate using gRPC to send requests to an AWS Lambda function written in Python.
- Lambda function processes log files stored in an Amazon S3 bucket based on the received request and sends a response using REST API.

**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 instance.

**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 with a team of peers.
- 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

**Clerical Associate**
Digital Management Inc. (DMI)                                              October 2023 - Current
- Work on projects where clients provide specifications for requested devices including provisioning necessary software and hardware configurations based on the expectations of customers.
- Receive devices and update inventory and quantity into spreadsheets in Microsoft Excel.
- Assist in the final stages of projects by preparing the devices for shipping and ensuring they are in satisfactory condition to be shipped and arrive on time.

**Warehouse Associate**
NNR Global Logistics Inc.                                                  May 2021 - Sep 2022
- Performed inventory checks on available electronic material with focus on organization.
- Collected and managed ordered materials for outbound shipments ensuring they were correctly picked and shipped on time.