

# Samuel F. Rivera

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## EDUCATION

### Duke University

MS in Management Studies

GPA: 3.441

B.S. in Computer Science, Minor in Japanese Literature

GPA: 3.364

**Relevant Coursework:** Data Structures and Algorithms, Computer & Network Architecture, Computer Security, AI, Cyber Policy, Discrete Math for Computer Science, Data Science, IOS Mobile Programming, Design and Analysis of Algorithms

Durham, NC

Expected Graduation: May 2024

Graduation: May 2023

## PROFESSIONAL EXPERIENCE

### La Espiga de Oro Bakery

Website Developer

Chicago, IL

*Present*

- Revitalized the bakery's online presence by developing a website featuring HTML, CSS, and JavaScript, incorporating updates on new products and merchandise
- Enhanced customer engagement by designing a digital platform expected to attract 200 new customers through improved online visibility

### Amogy

Student Consultant – Fuqua Client Consulting Practicum (FCCP)

Durham, NC

*January 2024 – March 2024*

- Created a descriptive framework based on 4 major criteria and 3 subfactors to analyze high potential geographical markets
- Analyzed many different countries to identify second-mover markets with high potential based on created framework
- Selected 3 countries as high potential second-mover markets to increase Amogy's market share for the next 15 years

### La Espiga de Oro Bakery

Bakery Worker

Chicago, IL

*September 2017 – July 2019*

- Managed daily operations including customer service, merchandise procurement, and shelf stocking
- Maintained a clean and safe environment by sanitizing bakery floors, shelves, and equipment
- Streamlined the delivery process, ensuring timely distribution of 500 bread orders weekly

## COURSE PROJECTS

### Dubr: Duke Student Rideshare App

CS207: Introduction to IOS Mobile Programming

Durham, NC

April 2023

- Collaborated in a team to launch an app promoting sustainability and connection among Duke students
- Leveraged Figma and SwiftUI, implementing a MVVM design to optimize app functionality

### Processor Core Design

CS250: Computer Architecture

Durham, NC

March 2021

- Architected a 16-bit MIPS-like, word-addressed RISC architecture, incorporating 16 instructions and 3 types
- Utilized Logisim for a single-cycle implementation using only primitive gates, multiplexers, and D flip-flops

### Autocomplete

CS201: Data Structures and Algorithms

Durham, NC

October 2020

- Developed an autocomplete algorithm, utilizing Java to simulate modern search engine efficiency
- Employed a binary search algorithm to enhance the autocomplete's responsiveness and accuracy

### Cereal Rating Analysis

STA199: Introduction to Data Science

Durham, NC

April 2020

- Analyzed an open-source Kaggle dataset to identify factors contributing to high cereal ratings
- Utilized R to construct a simple model explaining high ratings based on ingredient correlations

## LEADERSHIP AND ACTIVITIES

### Men's Cross Country and Track Team

Varsity Member

Durham, NC

*August 2019- Present*

- Fostered a culture of excellence, orchestrating team activities and enhancing communication among athletes and coaches
- Achieved recognition as 2019 ACC Freshman of the Year and All-ACC Academic Team in 2019, 2021, 2022, and 2023
- Balanced 35 hours of rigorous training with academic responsibilities, exemplifying dedication and resilience
- Cultivated skills in work ethic and perseverance, contributing to team's national qualification and personal bests

## SKILLS & INTERESTS

**Languages:** Spanish (Proficient), Japanese (Intermediate)

**Technical Skills:** Python, HTML, CSS, JavaScript, Excel, Swift, SQL, Java, R, Kotlin

**Interests:** Mexican and Japanese Culture, Self-development books, Lifelong learning, Video games, Outdoors, Coffee, Socializing