

Carlos A. Samaniego

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EDUCATION

Wake Forest University

Bachelor of Science in Computer Science, Minor in Mathematics
Major GPA: 3.24

Winston-Salem, NC

Expected Graduation: May 2020

Relevant Coursework: Computer Security, Computer Systems, Data Structures and Algorithms I/II, Programming Languages, iOS 12 & Swift App Development, MySQL for Data Analytics and Business Intelligence

SKILLS

- Technical: Java, C, C++, Python, SQL, Swift, HTML, CSS, and Linux/Unix
- Fluent in Spanish and English

PROJECTS

Cyber Security Tools

Crypt-Breaker (Cipher Tools)

- ROT#: Python script that allows for encryption and decryption of text by utilizing every variation of the ROT method
- Frequency Analysis: Script that finds the ratio of characters used and allows substitution for decrypting given cipher text
- RSA tool: Python Script that utilizes modular exponentiation to encrypt and decrypt data based on the principles of RSA

iOS Application

Deacon Space Application (in development)

- Developing an iOS application which interfaces with WFU's web-based API for scheduling university events
- Constructing an efficient and intuitive interface for students to view and make room reservations of rooms on campus for academic and organizational events

EMPLOYMENT EXPERIENCE

Apptical Corp.

Boca Raton, FL

Software Engineering Intern

May 2018 – July 2018

- Processed client data into proprietary software to provide individual product recommendations for life insurance companies
- Collaborated with a team of 15 employees to facilitate the customer acquisition cycle by performing 100+ interviews
- Analyzed JavaScript and C# scripts to find and document bugs and suggested features for future deployment
- Gained an understanding of Databases and SQL by generating queries to retrieve product and client data for analysis

Ernst & Young

Charlotte, NC

Emerging Leaders Program Participant

May 2018

- Built relationships with Ernst & Young employees by learning about advisory as well as the company values and culture
- Increased awareness of leadership development through team building exercises
- Volunteered at Second Harvest Food Bank to provide food assistance for underserved communities in Charlotte

Wake Forest University Athletics

Winston-Salem, NC

Student Manager of the Women's Soccer Team

August 2016 – Present

- Work weekly to improve ease of operations as well as aid in player development and skills training on the soccer field
- Filmed NCAA Division I ACC and non-conference matches for the benefits of the players and statistical analysis

EXTRACURRICULAR ACTIVITIES

American Martial Arts Academy

Winston-Salem, NC

Brazilian Jiu Jitsu Athlete

June 2016 – January 2019

- Committed six hours a week to training and attended local and international Brazilian Jiu Jitsu tournaments
- Promoted an atmosphere to interchange self-defense knowledge between students and instructor

Alpha Kappa Psi Fraternity

Winston-Salem, NC

Member

Fall 2017 – Present

- Cultivate an intersectional, supportive environment to catalyze members' career endeavors in various fields
- Coach 25 new members through workshops on how to present themselves in business and professional settings

Organization of Latin American Students (OLAS)

Winston-Salem, NC

Treasurer

August 2016 – January 2019

- Proposed and managed a \$1000+ budget and generated reports for Student Budget Advisory Committee
- Organized campus-wide events, such as Hispanic Heritage Month celebrations, to increase awareness of Latinx culture
- Act as a liaison to advise the current treasurer with respects to financial duties and decisions in the organization