Carlos A. Samaniego

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EDUCATION

Wake Forest University   Winston-Salem, NC
Bachelor of Science in Computer Science   *May 2020*
Major GPA: 3.24: Upsilon Pi Epsilon

SKILLS

- Technical: Python, Java, C++, SQL, JavaScript, HTML, CSS, Swift, Linux/Unix, GraphQL
- Frameworks: AWS Amplify, Flask, Django, ReactJS
- 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

Python Scripts
LifeHacks
- Instagram Posts: Python script that automates scheduled Instagram posts
- My Dominos Order: Python script that would use a Dominos library to automatically deliver my typical pizza order
- Email Reminder: Python script that would send a text reminder when specifying a specific sender

PROFESSIONAL EXPERIENCE

Ernst & Young   Charlotte, NC
Technology Advisory Intern   *June 2019 – August 2019*
- Worked within the enterprise architecture team to map 1,800 data integrations
- Developed the backend of a ReactJS web application using AWS Amplify, GraphQL, and DynamoDB, which acts as a centralized repository for data and integration information
- Wrote a python script that processed actuarial documents containing up to 26,000 comma separated values

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

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

LEADERSHIP ACTIVITIES

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

Wake Forest University Water Polo Club   Winston-Salem, NC
Team Co-Captain   *Spring 2019 – Present*
- Devoted six hours a week to training and scrimmaging local colleges and universities
- Within 1 year of the club's founding, we upset JMU and UNCW to come in 5th place at Los Lobos Tournament at NC-State

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