

Zachary Wilson

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WORK EXPERIENCE

Ally Financial

May 2022 – August 2022, May 2023 – August 2023

Cloud Data Engineer Intern

Charlotte, NC

- Solved over 1,000 vulnerabilities
- Saved Ally Financial over \$1,000 per month on AWS costs.
- Migrated a legacy java application that was running on an AWS EC2 instance to run on AWS Lambda and translated the code into Python.
- Assisted in migrating from an on-prem Apache Airflow instance to Managed Workflows for Apache Airflow with AWS. Migrated Batch ETL to AWS MWAA.
 - Used Terraform to create secrets via AWS Secrets Manager and AWS KMS for all the team's databases.

UNC Charlotte University Recreation

March 2023 – November 2023

Sport Club Supervisor

Charlotte, NC

- Supervised a brand new \$6 million field while sport clubs practiced.
- Managed over 7,000 athletes by approving waivers, organized multiple teams' practices, and assisted officers.

UNC Charlotte College of Computing and Informatics

January 2021 – December 2021

Teaching Assistant

Charlotte, NC

- Worked on a team of two other teaching assistants and a professor to provide meaningful instruction and feedback.
- Individually ran weekly lab sessions based on the content students learned from the previous week's lectures.
- Graded assignments promptly and fairly.

PROJECTS

Paletter

May 2021

- An iOS application built in Swift using SwiftUI that takes a user inputted image and displays a color palette generated from the image.
- The application takes the 4 most dominant colors in the image, and begins to merge them to create adjacent colors that look nice together.
- Monetized the application.

EDUCATION

University of North Carolina at Charlotte

May 2024

BS, Computer Science - Web and Mobile Applications Concentration

Charlotte, NC

- Elected president of the Club Swimming team 2 years in a row
 - Managed a team of over 70 swimmers
 - Planned travel, food, lodging, and other logistics for 16 total meets
 - Create graphics and other media using Adobe products
 - Instruct other officers on how to be successful in their position
- Elected to the Sport Club Executive Council
 - Helped manage over 7,000 athletes; listened to budget proposals and solved internal problems
- Interned with Charlotte Athletics; creatively took photos, videos and made graphics for the social media team.

SKILLS

- **Skills:** Swift, Xcode, Python, Django, Flask, Pandas, NumPy, Seaborn, Machine Learning, Jenkins, Terraform, Cloud Formation, Kubernetes, Gitlab, Amazon Web Services, AWS Lambda Apache Airflow, Cron Jobs, HTML, CSS, JS