



Education

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

Graduation Date: May 2022

Major: B.S. Computer Science, B.S. Economics w/ Data Science Credential

Computer Science GPA: 4.0 | Cumulative GPA: 3.6

Relevant Coursework: Algorithms and Analysis, Data Structures, Computer Organization, Multi Variable Calculus, Intermediate Macroeconomics, Modern Web Design, Economic Machine Learning, Intro to Data Science, Files and Databases, Economical Industrial Organization

Skills & Projects

Technical Skills

NodeJS (2yrs), Java (3yrs), Python, CI/CD, Google Cloud Platform, Firebase, DevOps, AWS Developer Associate (Certified), Tableau, Data Analyzation & Visualization, Agile, Fullstack

SwiftTrip 🔗

Fullstack application that employs an AWS backend integrated with Firebase functions and hosting to create a food and attractions app for Chapel Hill, NC. All locations are sorted by lowest average occupancy

Dermacure 🔗

Mobile application created using the Flutter SDK. The app takes a picture of the users skin and compares it to an ML algorithm in Firebase to determine if the user has a skin condition/disease

Work Experience

TECHNOLOGY SUMMER ANALYST – Bank of America - Charlotte, NC – June – August 2021

- Employed the principle of Robotic Process Automation to research the use of UiPath to automate redundant banks processes
- Migrated legacy systems that required human intervention to meet growing claim demand caused by the Covid-19 pandemic
- Created processes in UiPath to handle disputed or fraudulent claims to ensure bank funds were being used as intended
- Transferred data between spreadsheets, internal applications, and external vendors such as Visa/Mastercard to handle claims
- Analyzed and visualized a large dataset and created more than four models to predict loan default based on multiple credit metrics

SOFTWARE ENGINEERING INTERN – Fidelity Investments - Research Triangle Park, NC

June – August 2020

- Worked to enhance an application that automated the creation of CI/CD pipelines for Fidelity's Brokerage Technology business unit
- Overhauled numerous form components in the Angular front end to accommodate an intuitive user experience
- Developed RESTful endpoints within AWS by employing lambda functions and exposing them via API Gateway
- Routed multiple back-to-back asynchronous API calls in a NodeJS runtime environment to fetch data from various services
- Took the initiative to debug a production issue caused by a downed service and employed a working fix within a timely manor

May – August 2019

- Developed new features for a DevOps analytics tool using the SpringBoot framework while relaying information from MongoDB
- Researched and integrated metrics to gauge DevOps maturity of API's and microservices created within Fidelity's business groups
- Exposed various RESTful endpoints to retrieve application information for organization wide Fidelity internal use
- Used CSS/Thymeleaf and various JS libraries to load visual data analytics on an internal company website

RESEARCH INTERN – Young Innovators Program - Chapel Hill, NC – June – August 2018

- Explored the nXhuman Virtual Patient Project with an aim in creating virtual training software to foster pharmacy education at UNC
- Learned a new programming language within one week (inky), to create dialog scripts that worked with C# in Unity Game Engine
- Aided creating a standardized template for coding future dialogue encounters to make script production efficient and uniform
- Ran a pilot study with Pharm D. students and fellow interns to test the programs output and analyze previously hidden bugs

Leadership & Community Positions

AMBASSADOR – UNC Computer Science Department - May 2021- Present

- Serving as the external face of the UNC CS department, coordinating communication between students, staff, and employers alike
- Will organize logistics to setup various recruiting events where employers will be able to interact with UNC's bright CS students
- Working to extend the outreach of the Computer Science program and bring in new prospective students who may be undecided

COMP 301 UNDERGRADUATE LEARNING ASSISTANT – UNC Computer Science Department - Jan 2021- Present

- Providing aid to aspiring computer science majors in one of UNC's main foundational computer science courses
- Working with students at office hours to help them master course content in OOP and design pattern principles
- Providing necessary access to resources for tests and quizzes to clarify student misunderstandings

MANAGING DIRECTOR – Carolina Data Challenge - May - December 2019

- Ran the logistics of UNC Chapel Hill's annual data science hackathon along with two other managing directors for the 2019 chapter
- Coordinated communication with corporate sponsors and computer science faculty to plan events on the day of the hackathon
- Observed largest turnout recorded with 250+ participants and 51 project submissions, a 60% increase from the prior year
- Found 5 datasets and created documentation so they could be used by hackers in their data driven projects