



EDUCATION

University of Florida

B.S. in Computer Science & B.S. in Mathematics GPA: 4.000/4.0 Honors Program President's Honor Roll

Operating Systems / Software Engineering / Data Structures & Algorithms / Information and Database Systems
Algorithms Design / Programming Language Concepts / Linear Algebra / Combinatorics / Probability

08/2018 – 12/2021

Gainesville, FL

EXPERIENCE

American Express

Technology Summer Intern

- Worked primarily on developing a Slack workspace automation in Python to support the Data Center & Mainframe organization
- Conducted comprehensive testing using Pytest to ensure proper behavior when interacting with users
- Implemented Slack APIs for real-time communication, and integrated libraries including Flask and NLTK
- ★ 1st place in the U.S. intern Codility Challenge

07/2020 – 08/2020

Sunrise, FL

Embedded Systems Lab

Undergraduate Researcher

- Investigating current research problems in security, specifically within the domain of network-on-chip architectures
- Utilizing cycle-accurate simulators in order to implement and test different approaches and obtain results

01/2020 – Present

Gainesville, FL

Mathnasium

Instructor

- Instructed students from all grade levels, from elementary school to high school and up to algebra and statistics
- Adapted to each student's specific needs and mathematical background, while often working with multiple students at a time

06/2019 – 08/2019

Lutz, FL

TECHNICAL SKILLS

Python / Java / C++ / JavaScript / React / SQL / Go / Haskell
Git / Agile / Test-Driven Development / Prolog / ~~TeX~~

LANGUAGES

English / Hindi

PROJECTS

Anonym (OpenHacks 2020) 🔒

- Built an entirely anonymous blogging platform using React JS and utilizing blockchain technologies with BlockStack
- Designed and implemented a decentralized moderation scheme with BlockStack, to control the platform's content fairly and without bias
- ★ Winner at the 2020 OpenHacks hackathon as an honorable mention

05/2020

Help Deliver (hack:now 2020) 🔒

- Created a web application using React JS to enable communities to assist those susceptible to COVID-19 with groceries
- Leveraged map APIs to display nearby grocery stores in the UI, and built the backend infrastructure using Go, MongoDB, and GraphQL

04/2020

NeuroNav 🔒

- Built a web application for the UF Neurosurgery Department to help assist patients and staff to manage appointments
- Served as the scrum master in a team of seven, implementing Agile methodologies during the development process
- Utilized React JS, Node JS, and MongoDB, along with numerous APIs (including Twilio and Google Maps)

04/2020

HeadsUp (SwampHacks 2020) 🔒

- Created a mobile application that incentivizes pedestrian alertness on the road in order to promote traffic safety on campus
- Built using React Native and TypeScript, leveraging Google Firebase to integrate cloud functionality

02/2020

GatorWealth Financial Planner (HackFSU 2019) 🔒

- Created a mobile app to help users to organize and consolidate their personal financial information; built using Flutter, Node JS, and MongoDB

10/2019

Oh h1 Puzzle Solver Bot 🔒

- Built a Python bot to solve the puzzle game Oh h1 (binary Sudoku) by implementing libraries to interpret and interact with the computer screen
- Focused on designing a computationally efficient algorithm to solve the puzzle accurately

08/2019

AWARDS

Google Hash Code 2019 – Our team placed 1st at the University of Florida and 38th in the entire United States

University Math Society Integration Bee – I was among the top 8 contestants at the university-wide integration bee

National Merit Finalist, IB Valedictorian – Land O Lakes High School, 2018