

TECHNICAL SKILLS

- **Languages** – Python, Swift, MySQL, C/C++, Java, HTML, CSS, JavaScript
- **Frameworks** – NumPy, React.js, Pandas, SwiftUI, PHP
- **Developer Tools** – VsCode, XCode

EXPERIENCE

Amazon Web Services (AWS)

Software Development Intern

May 2023 – August 2023

- Developed a highly available web application with a team of four interns, achieving full deployment by leveraging AWS services such as EC2 Instances, S3 Buckets, Elastic Load Balancers (ELB), and Virtual Private Cloud (VPC), ensuring scalability and reliability.
- Leveraged robust debugging and troubleshooting techniques by closely collaborating with 2 Software Development Engineers, successfully resolving issues across 50 labs, and contributing to the improvement of internal support tools.
- Strengthened expertise in AWS technologies and cloud infrastructure by completing extensive coursework through CloudGuru and Udemy, leading to the attainment of the AWS Cloud Practitioner Certification.
- Optimized cloud infrastructure performance and security by configuring AWS networking components, including VPCs, security groups, and IAM policies, leading to a seamless and secure deployment of the web application.
- Participated in 10+ architecture discussions, technical design meetings, and code reviews, contributing to collaborative decisions on cloud deployment and system structure.

Microsoft TEALS

Teaching Assistant

July 2022 – February 2023

- Enhanced and led lesson plans by leveraging a strong understanding of computer science to address students' learning gaps, leading to better educational outcomes for 90 students.
- Leveraged expertise in CSS and HTML to develop and lead tailored lesson plans that addressed specific learning challenges, leading to improved outcomes for a class of 90.
- Evaluated 90 student assignments and provided one-on-one tutoring on HTML and CSS during 30-minute sessions to reduce instructors' workload, resulted in improved outcome for all 90 students.

PROJECTS

GUI HRV-UEF Application

Full-Stack Developer

January 2024 - April 2024

- Developed a Graphical User Interface (GUI) application to compare and analyze convergent cross mappings of heart rate and motor activity, utilizing MatLab and Python to aid post-doctorates in visually interpreting the data.

LandMarks

iOS Developer

November 2023 – December 2023

- Developed an app highlighting different landmarks by utilizing Swift and JSON, which eased dynamic data display and user interaction, highlighting 10 diverse geographical places.

Integrated Web System

Full-Stack Developer

November 2023 – December 2023

- Designed a secure login/registration system using PHP, and MySQL resulted in the capability to establish multiple accounts and facilitate login functionalities seamlessly in my website.
- Implemented a shopping cart feature using PHP, MySQL, CSS, and HTML, allowing users to add up to 3 items and proceed to "checkout" with their selected items.

EDUCATION

Bachelor's, Computer Science & Mathematics

September 2020 – December 2024

GPA: 3.6

- **Relevant Coursework:** Advance Data Structures and Algorithms, Intensive Programming in Linux, Operating Systems, Cloud Computing, Intro to Computer Networks, Software Engineering, Intro to Swift App Development.

CERTIFICATIONS

Amazon Web Services Certified Cloud Practitioner

June 2023 - June 2026

- Fundamental understanding of IT services and their uses in the AWS Cloud, cloud fluency, and foundational AWS knowledge.