
QUALIFICATIONS PROFILE

Technically savvy and talented young professional with a passion for mathematics and computer science. Determined to leverage the foundation built over the last 4 years to become a data and information technology strategist. Possess a stellar reputation among my peers in leading teams and being a productive member in accomplishing desired objectives. Relied upon to have a full understanding of project requirements and delivering solutions within constraints of scope, quality, time and cost to ensure total customer satisfaction.

CORE COMPETENCIES

<i>Software Development Lifecycle</i>	<i>Complex Analysis</i>	<i>Reliable Resource</i>
<i>Continuous Development/Continuous Delivery</i>	<i>Multi-Tasking</i>	<i>Problem Resolution</i>
<i>Product Development and Launch</i>	<i>Change Management</i>	<i>Decision Making</i>
<i>Strategic and Tactical Planning</i>	<i>Continuous Improvement</i>	<i>Team Building</i>

EDUCATION

Washington & Lee University

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

BACHELOR OF ARTS IN MATHEMATICS

MINOR IN PHILOSOPHY

CERTIFICATIONS

Jitterbit Harmony Certified Developer

EMPLOYMENT HISTORY

DATA SCIENCE ■ NOBLIS, RESTON VIRGINIA

06/2020 –PRESENT

- Utilized PySpark and AWS EC2 skills in creating analytics that approximated the distance between two devices in a network and classified them as either routers or ordinary devices.
- Exercised Python and Tableau skills in auxiliary project observing the effect of the COVID-19 epidemic on different ethnicities in the Commonwealth of Virginia.
- Completed various tasks in the remote file system HDFS.
- Became proficient in using Bitbucket and contributed regularly to the repository.
- Successfully scheduled and completed tasks assigned by management while working remotely.

Notable Achievements:

- ✓ Presented findings over the course of the summer to the entire non-profit, including the CEO
- ✓ Presented the implications of COVID-19 project concerning the population of Virginia to the entire non-profit

MATH ■ BEAM, NEW YORK, NY

JULY 2019

- Teaching Assistant on variations of Euclidean geometry, elementary group theory, and infinite sets
- Lead multiple indoor and outdoor activities for groups of fifteen to forty middle-schoolers
- Utilized my leadership skills to engage students during classroom and extracurricular parts of the camp

Notable Achievements:

- ✓ Forged formative relationships with campers to the point where they considered me as a mentor
- ✓ Peacefully mediated and resolved inter-camper disputes and integrated cliques that otherwise would engaged each other
- ✓ Was re-offered the position to return as a teaching assistant and camp counselor the following summer

SOFTWARE DEVELOPMENT ■ LEXICON NETWORKS, BLOOMINGDALE, IL

MAY, JUNE & AUGUST 2019

- Developed front and backend for restaurant payment transaction reconciliation module
- Utilized NodeJS, Typescript, and AngularJS to bind data from the backend to the front end
- Utilized Postman for querying multiple API endpoints
- Developed integrations with Jitterbit platform
- Used Git repository in the DevOps process for continuous integration and delivery
- Worked in concert with offshore team in India

Notable Achievements:

- ✓ Successfully scheduled meetings and met deadlines while working with the offshore India team
- ✓ Contributed changes to the front end ordering process that were ultimately deployed to production
- ✓ Went above and beyond the assigned tasks to learn about and impact both the front and back ends of the application

FIELD WORK ■ W&L Center for International Education, COX'S BAZAR, BANGLADESH**SUMMER 2018**

- Part of a three-member team that conducted research in Cox's Bazar Bangladesh concerning the status and implications of the Rohingya refugee crisis on the Rohingya and Bangladeshi natives
- Distributed uniforms to children attending school within the campsites to promote interest in pursuing an education despite the dire circumstances at hand
- Distributed waste containers and frying pans to improve the quality of life on site and to minimize negative side-effects on the local environment
- Interacted directly and coordinated meetings and interviews with UN officials and supervisors at refugee camps
- Managed flight, lodging, and local transportation for an entire month between Dhaka, Cox's Bazaar, and the locations of the refugee camps

Notable Achievements:

- ✓ Coordinated the supplying of waste containers and frying pans from the capital, Dhaka, to the countryside of Cox's Bazaar
- ✓ Conducted a series of non-invasive interviews concerning the lives of refugees and locals to the area, ultimately gaining the trust of the community

TEAM BUILDING ■ W&L TRACK & FIELD, LEXINGTON, VA**AUGUST 2020– MAY/2021**

- Captain of track team,
- Competed in the individual 800 and 400 meter dashes as well as the 4x400 meter relay
- Won first place in the outdoor and indoor 4x400 relays in both 2018 and 2019
- During 2019 season, won 1st in the indoor 800 and 3rd in the outdoor 800 meter dashes

NOTABLE PROJECTS ■ W&L MATH & COMPUTER SCIENCE, LEXINGTON, VA**AUGUST 2020– MAY/2021**

- Machine Learning (Music Generation Machine):
 - Created a [variational autoencoder](#) for music generation for CSCI-315 utilizing Artificial Intelligence
 - Exercised flexibility with python libraries by using pydub library to transform audio data for the model
 - Used list comprehension skills to manipulate transformed audio data and exercised fluency in keras to tune hyperparameters of the model
 - Wrote in depth report of the fallbacks and accomplishments of model
- Mock Convention (simulated presidential nomination held every four years by the students of W&L):
 - Goal is to predict who the [party out of power in the White House will nominate to run for President](#) of the United States.
 - Major contributor to an application that displays the most frequent news articles published to Google News given a certain array of key words
 - Programmed structure of front end of the application using AngularJS and multiple Bootstrap libraries
 - Developed multiple MongoDB API endpoints for querying database.
 - Employed javascript and html skills in building a full-fledged MEAN Stack Application that presented candidate data for political analysts.

TECHNICAL PROFICIENCY

Used Frequently - **Used Recently** - **In Practice**

OPERATING SYSTEMS:

Ubuntu, Fedora, **Windows 7-10**, iOS, macOS Big Sur, **Android**

LANGUAGES:

C, Python, PySpark, Amazon Web Services (EC2, S3), HTML5, VueJS, NodeJS, Postman, Vim, Bootstrap, Git, **Solidity**, **AngularJS**, **JavaScript (ES6)**, **MongoDB**, **TypeScript**, **Google Maps API**, **Google News API**, **Java**

WEB FRAMEWORK:

MEVN (MongoDB, Express, VueJS, NodeJS), **MEAN** (MongoDB, Express, AngularJS, NodeJS)

DATABASES:

MongoDB, MySQL, MS SQL Server

BIG DATA & NO SQL:

HDFS, **AWS**, **R**