

Sheikh Fahad

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EXPERIENCE

Data Analytics Engineer Intern

Spave – East Lansing, MI

June 2022 - Present

- Develop and automate statistical reporting of test data
- Develop models to create peer comparison statistics
- Develop tools for automated analysis to reduce quality excursions
- Support machine learning and data science initiatives in anomaly detection

Software Tester

Winona State University – Winona, MN

November 2021 - Present

(WSU is under contract with Watlow Electric Manufacturing Co (Winona, MN), which provides IoT solutions to its clients)

- Work in an Agile development environment
- Create automated tests with C#, Composer, and Telerik Test Studio
- Validate software behavior and improve the efficiency of the development cycle
- Test type included manual and smoke tests

Data Researcher and Analyst

Winona State University – Winona, MN

May 2021 - April 2022

- Worked with a physics professor to research and analyzed an ongoing astrophysics project collaborating with other professors and post-graduate students at Arizona State University
- Implemented CI/CD through GitHub Actions for the GitHub repository
- Wrote PyTests to test existing codes that run the Long Wavelength Array
- Analyzed 5-dimensional images utilizing Python libraries, such as NumPy, SciPy, Matplotlib, and ImageAI to detect Radio Frequency Interference in the images

SKILLS

Technical:

Java, R, Python,
JMP, SQL, OpenRefine,
Tableau, LabVIEW, Git,
CI/CD, Docker, Agile
Methodologies, GitHub
Actions, VSCode, Microsoft
Office, Linux, Windows

Typing speed: 65 wpm

Soft:

Leadership
Time management
Self-Motivation
Communication
Networking
Teamwork
Work Under Pressure
Problem-solving
Conflict Resolution
Negotiating

Certification:

Google Data Analytics
Professional Certificate

Social Engineering

Agile Foundations

Information Literacy

SQL Programming

Python for Data
Visualization

Software Developer and Tester

Winona State University – Winona, MN

November 2020 - November 2021

(WSU is under contract with Digi International (Hopkins, MN) which provides IT, networking, and IoT solutions to its clients)

- Worked in an Agile development environment
- Wrote automated tests and scripts for testing web applications using Java, Jira, Azure Data Studio, Docker, JUnit, Git, Stash, BitBucket, and Regular Expressions
- Tested/examined software for bugs and resolved discovered issues
- Test types included manual and unit
- Worked in close cooperation with senior developers and other functional team members to form a team effort in the development

EDUCATION

Winona State University, Winona, MN

Bachelor's of Science in Computer Science and Data Science

Expected Graduation - May 2023

Minors: Statistics, Mathematics, and Electronics

GPA: 3.88/4.0

Dean's List: Since Fall 2019

PROJECTS

Digital Weather Display — Interdisciplinary

- 4000+ LEDs strapped to a board displaying WSU community information by accepting the help of the physics and art departments
- Led a team toward building software for controlling the display to project text and images by using Java, FadeCandy, Processing, and Linux resulting in improved knowledge of IoT devices
- Built a web application with a team to send messages remotely by using HTML, CSS, Javascript, PHP, and MySQL for a more efficient and accessible application. The website has full-stack functionality which includes Encryption, Logging, Session, Credentials, and sending of text over a socket connection. This application uses the REST API
- Project can be found in: <https://github.com/nameer1811/ledgrid>

Lan-Bros Game — Computer Science

- A local area network multiplayer game for PC similar to Mario Bros on Nintendo
- Led a team toward building the software with JAVA by creating a MAVEN project
- Designed the system and documents to create the project
- Implemented CI/CD in GitHub actions for smoother collaboration
- Project can be found in: <https://github.com/nameer1811/lan-bros>

LANGUAGES

Fluent in English and Bengali

Verbally proficient in Hindi and Urdu

Textually proficient in Arabic

AWARDS

Presidential Honor
Scholarship: Since 2019

Fred & Sandy Olson
Scholarship

MinneAnalytics
Scholarship

Buhler Memorial
Scholarship

Gerry Cichanowski
Scholarship

Winona Industry Alliance
Scholarship

RELEVANT COURSES

Artificial Intelligence

Unsupervised Learning

Supervised Learning

Deep Learning

Machine Learning

Regression Analysis

Data Structures

Software Engineering

Management of
Structured Data

Data Summary and
Visualization

Computer Systems

Applied Database
Management Systems

Math Tutoring System — Computer Science

- A math tutoring website built for teachers and students to assist in learning math easily and efficiently from kindergarten to 2nd grade
- Led a team toward building the software with PHP, JavaScript, CSS, and MySQL
- Designed the system and documents to create the project
- Project can be found in: <https://github.com/nameer1811/math-tutor>

United States Voter Turnout 2016 vs. 2020 — Data Science

- Data Visualization of Voter Turnout in 2016 vs. 2020 in the US presidential election
- Used Tableau and Tableau Prep Builder to clean, process, visualize, and create a dashboard of the results
- Project can be found in: https://public.tableau.com/app/profile/sheikh.fahad/viz/UnitedStatesVoterTurnout2016vs_2020/Story1

LEADERSHIP

President (2022), Vice-President (2021), Secretary (2020)

WSU Computer Science Club

- Support the needs of the WSU students resulting in the club being nominated for outstanding club/organization
- Organized two NASA Space Apps Challenge Hackathon for the entire Winona area
- Organized Winona State University's 4th Annual Hackathon. 75+ students attended the event including professors resulting in the improved engagement of WSU computer science students

Vice-President (2021), Treasurer (2020)

WSU International Club

- Organized International Halloween Night for students who were never exposed to Halloween prior to studying in the USA
- Organized International Dinner for students to celebrate their culture and share it with everyone else in the community
- Managed International Club funds in every event that was hosted by the International Club