ANNALIESE WATSON

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SKILLS

Leadership | Creative | Team Collaboration | Meticulous | Organized | Problem Solving | Risk Management

TECHNICAL SKILLS

Programming Languages

Java | Python | C# | C++

Web Development

HTML | CSS | JavaScript | React | Angular | Responsive Web Design

Database Management

SQL

Version Control

Git

APIs

GraphQL

Shader Programming

Cg

Backend Development

Node.js

UX Design

Figma | Canva

Environments

Unity | VSC | Visual Studio

Operating Systems

Mac OS | Windows OS | Linux

Software Proficiency

MS Office Suite

INTERESTS

Dance | ASL - Beginner

SUMMARY

Recent graduate with a Bachelor's in Computational Science and Engineering, complemented by a minor in Dance and currently pursuing a Master's Degree in the same field. Acknowledged for my exceptional user-centric approach and attention to detail in team collaborations. Enthusiastic about contributing to cutting-edge projects that blend computational and IT expertise with a creative touch, particularly in front-end development or VR/AR experiences.

EDUCATION

KEAN UNIVERSITY • UNION, NJ

M.S. Computational Science and Engineering • May '25 • G.P.A: 3.7

B.S. Computational Science and Engineering • Dance Minor • May '24 • G.P.A: 3.7

EXPERIENCE

KEAN UNIVERSITY • UNION, NJ • SEPTEMBER 2024 - PRESENT

Academic Specialist - Microsoft 365 Support Analyst

Assisting users with the transition from Gmail workspace to Microsoft 365 suite

KEAN UNIVERSITY • UNION, NJ • SEPTEMBER 2022 - MAY 2024

IT Support Technician - Student Leader

Engaged with University constituents to address ticket-related concerns and service requests, ensuring prompt resolution and upholding a customer-centric approach to enhance satisfaction.

PROJECTS & EXTRA-CURRICULAR

Shader Development & UI Design for 3D Scientific Visualization • Fall 2021 - Spring 2025
Collaborated with team members to develop code and UI in Visual Studio and Unity environments, focused on rendering pollen grain images transparent. Implemented functionality that enabled users to modify the cut plane vertex while having the ability to adjust the transparency level.

ASL Swin Architecture • Summer 2023 - Spring 2024
Developed custom datasets and a web platform featuring an ASL educational app with fingerspelling and quiz features. Utilized AI and the Swin Transformer model to classify American (ASL) and Taiwanese (TSL) sign languages with 100% accuracy.

Digital Foundation Recommender • Spring 2023
Collaborated with a partner to develop an algorithm using k-means clustering and OpenCV to match skin tones with 625 foundation shades and 38 brands, improving makeup accessibility. Analyzed RGB values to recommend the closest shade, optimizing user experience through automatic selection.

Cyberbullying Detection Utilizing AI and Machine Learning • Fall 2022 – Fall 2023
Collaborated with a team to develop a detection system utilizing Python programming language, BERT Transformer, and Neural Networking. This system identifies and intercepts harmful content before it reaches the intended recipient.

AI4ALL • September 2022 – May 2023

UI/UX Certification • UpGRAD • December 2022 – March 2024

Stem Scholarship Recipient • Dean's List • Fall 2020 - Spring 2024

The National Society of Collegiate Scholars • September 2022 – May 2024

Kean Dance Theatre • President April 2023 - Present • Treasurer December 2021 – April 2023