

Dina Dawood

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EDUCATION

University of Delaware

Bachelor of Applied Arts & Sciences | Bachelor of Sciences | Bachelor of Engineering

Majors: Psychology (BA-AS), Cognitive Science (BS), Computer Science (BE)

Concentration: Computational, Mathematical, & Logical Foundations

Newark, DE

December 2024

Wilmington University

Major: Early College Academy – Dual Enrollment

GPA: 3.66

New Castle, DE

May 2019

SKILLS

Certifications: CPR/AED & First Aid (Adult & Infants), Human Subjects Protections (SBE)

Languages: Arabic (Native), English (Native), Korean (Intermediate)

Programming: Bash, C/C++, CSS/HTML, JavaScript, Node.js/React.js, Python, R, TypeScript

Softwares: Eclipse, Figma, Git, GDevelop, IntelliJ, Jamovi, LiveCode, Mathematica, MS Office, RStudio, Thonny, Visual Studio

Some Familiarity: Java, PHP, SQL, Liveweave, WordPress

EXPERIENCE

Appen

Freelancer

Remote

July 2020—Present

- Deliver quality service in diverse projects of AI development, mobile applications, social media management, linguistic analysis, online research, search evaluation, data analysis, translation, transcription, and multimedia content creation (image, video, audio).
- Continuously develop and refine organizational, communication, and technological skills while fostering creativity and innovation to meet project goals and exceed client expectations.

Home Care Agency

Home Aide

Middletown, DE

January 2020—Present

- Adhere to personalized care plans, meticulously documenting daily activities through reports, logs, and electronic records.
- Establish trust and offer psychological support by fostering strong relationships with clients and families.
- Provide comprehensive instructions to patients and families on medication actions, side effects, dosage, route, and frequency.
- Assist with housekeeping tasks, meal preparation, therapeutic activities, and appointment attendance.
- Communicate observations to the nursing supervisor regarding any changes in the client's mental or physical condition.

University of Delaware Libraries, Museums & Press

Museum-Gallery Attendant

Newark, DE

August 2019—Present

- Facilitate meaningful interactions with visitors, discussing exhibitions, and enhancing their experience.
- Responsible for the care and security of valuable items within the museums.

Student Assistant

- Oversee the Help Center desk, aiding with item searches, telecommunication, technology, and research support.
- Efficiently retrieve library materials from the stacks, scan articles/book chapters, and prepare and deliver items.
- Create labels and contribute to maintaining a comprehensive records database using departmental shipping software.

Lavner Education at University of Pennsylvania

Instructor – Computer Science/STEM Intern

Philadelphia, PA

May 2023—August 2023

- Delivered quality, educational instruction to students in a class and one-on-one environment daily following a given curricula in courses such as Java, Python, Html/CSS, JavaScript, robotics, game development, Scratch, YouTube, etc.
- Prepared materials and outline of upcoming weekly topics.
- Assisted with setup and maintenance of on-site computer hardware, software, and internet connectivity.
- Provided ongoing troubleshooting, debugging code, and technical support to staff and students.

Janssens Market

Customer Service Representative – Closing Manager

Greenville, DE

March 2018—July 2021

- Provided quality service by managing telecommunications, cashier duties, stocking, order preparation, catering, and product management.
- Facilitated effective onboarding by training new team members and implementing innovative ideas for performance enhancement.

CAMPUS LEADERSHIP & ACTIVITIES

MESA – Middle Eastern Student Association

Newark, DE

Co-Founder & Event Coordinator

March 2021—June 2022

- Founded the organization with 3 other students, achieving a membership growth of 60 within less than a year.
- Actively participated in bi-weekly board meetings and monthly general meetings, overseeing event planning, assignments, purchases, and coordination of meetings.

Technica – Sprout Social Inc.

College Park, MD

Best Hack for Connecting People - 2nd Place

October 2022

- Formed and contributed to *IndyDream* along with 3 members in a sponsored hackathon by Sprout Social Inc., securing 2nd place at Technica for creating a platform promoting community among Women of Color and underrepresented genders globally.
- Developed a user-friendly website within 24 hours, offering safety statistics for countries and facilitating connections through a unique *connection program*, promoting housing and collaborative learning.

PROJECTS

Test Automation and Data Acquisition System

Newark, DE

Senior Design Project – UD Center for Clean Hydrogen

September 2024—Present

- Develop a Python program enabling users to input test scripts for automated testing and data acquisition, facilitating seamless communication between Python scripts and Programmable Logic Controllers via Modbus over serial and/or NodeRed.
- Research and Implement communication protocols and explore integration with software to enable flexibility in PLC.
- Collaborate with UD Center for Hydrogen and Chemours engineers to analyze integration challenges with existing PLC setup and optimizing the use of lab technologies (Productivity Suite 1000 and HMI CM5 software).
- Design and implement a solution to import tag files for manual configuration of test parameters.
- Investigating cloud storage solutions for real-time data acquisition, ensuring scalability and improved accessibility for data retrieval using Panda DataFrames.

Degree Planning Web App.

Newark, DE

Team Project – University of Delaware

September 2023—December 2023

- Developed a web application for UD CS students to plan and track their course schedules across multiple semesters.
- Implemented features to create, edit, and manage degree plans, including adding/removing semesters and courses, and tracking degree requirements and prerequisites.
- Enabled CSV export and import of plans for easy sharing with advisors.
- Designed user-friendly tools for customizing course details and managing semester data, with options to skip semesters or store courses for future use.
- Built using HTML, CSS, TypeScript, with a focus on scalability and user experience.
- Collaborated with a team to finalize two projects: one collaborative effort and one individual project, each using different methods to approach the same degree planning concept.

Fashion Design: Drag-and-Drop Web App.

Newark, DE

Team Project – University of Delaware

September 2022—December 2022

- Collaborated in a team to design and develop a web application allowing users to visually create outfits by dragging and dropping clothing items onto a mannequin, aimed at fashion design students, professionals, and casual users.
- Implemented a responsive interface featuring tabs for clothing categories (shirts, pants, shoes, accessories) and integrated a drag-and-drop functionality for placing items on a mannequin.
- Designed an intuitive system for users to apply colors and patterns from a palette, enhancing user customization options.
- Created interactive feedback mechanisms including a "Good job" message after completing a design and reset functionality.
- Utilized technologies such as HTML/CSS, TypeScript, and libraries to develop a fully functional and appealing interface.
- Managed tasks via version-controlled branches, ensuring efficient development and deployment workflows.