**Noura Al**

<https://nouraalab.netlify.app/> new portfolio under development

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**EDUCATION**

**Wayne State University** | Bachelor of Science in Computer Science Engineering - GPA 3.6 December 2023

**Henry Ford College** | Associates of Arts in Liberal Arts August 2021

**TECHNICAL SKILLS**

Advanced proficiency in all Microsoft applications including Excel, Teams, Outlook, PowerBI, SQL, Confluence, SCRUM, agile management, risk management, auditing, planning, design, sales, organization, GitHub, Figma, JavaScript, Tailwind CSS, C++, C, Salesforce, Python, Java, Android Studio, JavaScript, VBA, Linux, Adobe Photoshop, Lightroom, Auto CAD and Solid Works

**ENGINEERING PROJECTS**

**Personal Portfolio Website**

Personal Project | Garden City, MI May 2023 - Present

Web-based application that displays personal interests, projects, and contact information. Application created using HTML, CSS, Tailwind CSS and JavaScript to allow for web page responsiveness. Currently implementing API for functionality.

**Giftly**

Wayne State University | Detroit, MI January 2023 – May 2023

An android application developed using Java, Firebase and Android Studio that allows users to anonymously coordinate gift-giving for multiple types of occasions. The platform enables users to create events and store relevant user information in a secure database, while generating unique event IDs that allow users to seamlessly join and participate. Functionalities include creating an account, creating an event, inviting users to an event via an invite code, joining/leaving an event, setting an event location, layout/theme customizations, uploading a profile picture and communicating with Firebase. Demonstrated experience in designing user-friendly and visually appealing interfaces for the Android application. This includes creating prototypes, and interactive designs using tools Uizard and Figma. Maintained a well-documented product backlog throughout the development process and participated in code reviews.

**BreathRide**

Hack Dearborn at University of Michigan| Dearborn, MI March 2023

BreathRide is a breathalyzer system that measures blood alcohol content using an Arduino microcontroller programmed in C++ and a breath sensor. The data is sent via serial communication to a Python script which is stored Firebase. An Android app created in Java retrieves the data from Firebase provides feedback on whether it's safe to drive. If the user's BAC is too high, the app prompts the user to call an Uber or alert their emergency contact. BreathRide showcases skills in C++, Python, Firebase, and Android app development while addressing the issue of drunk driving. Developed within a 24-hour hackathon.

**Smart Mailbox**

Wayne State University | Detroit, MI June 2022 – August 2022

Arduino project in effort to provide a solution to individuals who would like to be notified of their package arrival. Worked with engineering students to finalize the project. Created a report with problem statement, solution, justifications, design specifications, bill of materials, sketches and construction and testing procedures. Produced a final prototype with working functionalities that fulfills solutions and justifications. Gathered and analyzed user requirements, translating them into functional specifications.

**WORK EXPERIENCE**

**Software Engineer Intern**

Allstate | Chicago (Remote), MI May 2023 – August 2023

* + Contributed to both front-end and back-end development processes.
  + Performed tests to ensure software quality and reliability.
  + Identified and resolved software issues through effective troubleshooting and bug fixing.
  + Collaborated with cross-functional teams, including designers and project managers.
  + Utilized a variety of programming languages, frameworks, and technologies.
  + Implemented responsive design principles to create user-friendly interfaces.
  + Optimized applications for maximum speed and scalability.
  + Stayed updated with industry trends and advancements in web development.

**Project Manager (PMO) Intern**

Soar Technology | Ann Arbor, MI October 2022 – April 2023

* + Ensure a smooth transition of awarded projects from Business Development to the PMO.
  + Designed and developed a Power BI dashboard to present key performance metrics and project data for the Project Management Office (PMO) department.
  + Collaborate cross-functionally with project managers, engineers, department representatives, and subject matter experts to facilitate the transfer of data to ensure smooth operation and efficient workflow.
  + Developed and maintained a webpage for the PMO to provide information and resources to team members.
  + Implemented a career path for the PMO department, including the creation of job descriptions and requirements.
  + Utilized Salesforce CRM for data entry and maintenance of customer records.
  + Assisted with the hiring of a program manager, ensuring that the candidate met the company's requirements and expectations.

**Externship Program**

United Wholesale Mortgage | Pontiac, MI February 2023 – March 2023

* + Participated in workshops and seminars focused on networking, personal branding, and leadership development.
  + Gained knowledge of portfolio development and best practices.
  + Worked on projects and assignments that provided practical experience in marketing and professional development.
  + Demonstrated ability to collaborate with team members and deliver high-quality work in a timely manner.

**Software/Test Engineer Intern**

MAHLE | Troy, MI June 2022 – October 2022

* + Verify calibrated gauges conform to ISO 17025 and has demonstrated accreditation certification and scope.
  + Work closely with Engineers to process data, present results in reports and pivot tables.
  + Developed automated tasks in Excel using Visual Basic to promote efficiency for the testing and prototype department.
  + Oversee calibration of various test and measurement equipment.
  + Created a chemical management inventory system for IATF 16949 compliance; worked collaboratively to write a procedure to document the roles and responsibilities for proper management moving forward.
  + Carried out annual internal calibration record audit for IATF 16949 compliance.
  + Set up computer and desk space for new engineers.

**Sales Manager**  May 2021 – September 2022

European Wax Center | Canton, MI

Supervise sales staff; communicate job expectations and provide direction, support, and motivation to team to meet center sales metrics. Recognized as salesman of the month every month since hire, consistently exceeding monthly sales goal.