

Hemza Al-Shamari

COMPUTER SCIENCE AND SOFTWARE ENGINEERING (CSSE)
(425)-598-5079 – Hemzas@uw.edu - [LinkedIn](#) - [GitHub](#)

EDUCATION

University Of Washington
(BS) Computer Science and Software Engineering (3.6/4.0)

September 2021 – June 2024

PROFESSIONAL EXPERIENCE

Meta <i>Security Officer</i> <ul style="list-style-type: none">Ensured security and privacy of Meta's data and infrastructure.Collaborated with teams to identify and mitigate security risks, and respond to incidents in a problem-solving manner.Responded to incidents and critical situations in a calm, problem-solving manner.Conducted regular audits of security systems and protocols, ensuring compliance with Meta's strict security standards.Developed and implemented security training programs for new employees, raising awareness of data privacy best practices.Monitored security systems in real time, proactively identifying and addressing potential vulnerabilities to prevent data breaches.	Bellevue, Washington October 2023 – Present
University of Washington <i>CS Teaching Assistant</i> <ul style="list-style-type: none">Collaborated with faculty to design and update coursework, ensuring alignment with the latest industry practices and technologies.Graded assignments and exams for students, providing detailed feedback to enhance understanding and improve academic performance.Led group discussions and hands-on lab sessions, helping students grasp complex computer science concepts, such as algorithms and data structures.	Seattle, Washington September 2023 – December 2023
Jubilee Reach Community Center <i>Software Development Intern</i> <ul style="list-style-type: none">Collaborated with cross-functional teams to implement new features for a client-facing web application.Participated in daily stand-ups, contributing to agile development processes to ensure timely project delivery.Conducted testing and debugging, enhancing application reliability.Demonstrated effective communication skills within the team, contributing to a positive and collaborative work environment.	Seattle, Washington June 2023 – September 2023

PROJECTS

Flutter BLE Application – Application WireFrame <ul style="list-style-type: none">Developed a Flutter application with Bluetooth Low Energy (BLE) functionalities, enabling communication with peripheral devices for data transmission.Enhanced connection stability and optimized data transfer rates by implementing custom BLE services and characteristics.Integrated background BLE scanning to allow the application to detect devices even when running in the background, improving user experience.Implemented secure pairing protocols to ensure encrypted communication between the application and peripheral devices, enhancing data security.Improved the application's performance and reliability through rigorous testing and iteration, identifying and resolving bugs to optimize the overall user experience.	
QuickBites UI/UX Design Application – Application WireFrame <ul style="list-style-type: none">Created an interactive and easy-to-use design for a mobile food-ordering application using Figma, focusing on intuitive user flows and responsive design elements.Conducted extensive usability studies to gather user feedback, iterating on designs to enhance user experience and streamline navigation.Developed detailed personas based on target audience research, ensuring the design aligned with user needs and preferences.Crafted user flows and wireframes to guide the user journey, focusing on reducing friction in key areas such as search, order placement, and checkout.Collaborated with stakeholders to align design choices with business goals, leading to a visually appealing and functional prototype ready for development.	
E-commerce Website Application <ul style="list-style-type: none">Designed and developed a responsive e-commerce website featuring user registration, product search, and secure checkout functionalities, ensuring a seamless shopping experience across devices.Implemented a robust back-end integration with MySQL for database management, enabling efficient data handling for product listings, user accounts, and order processing.Developed advanced search filters and sorting options, enhancing product discoverability and improving overall user engagement.Integrated payment gateway solutions for secure transactions, implementing SSL encryption to protect user data and transaction details.Conducted thorough testing and debugging to ensure functionality across various browsers and devices, achieving optimal performance and reliability.	

ACTIVITIES & LEADERSHIP

Hackathon Participant <ul style="list-style-type: none">Participated in a 24-hour hackathon focused on developing innovative solutions for social issues, resulting in the creation of a prototype app that connects volunteers with local community service opportunities.Worked collaboratively in a team to brainstorm ideas, design the application, and present the final project to a panel of judges, receiving positive feedback for creativity and impact.	Bothell, Washington
Big Picture Middle School Volunteer <ul style="list-style-type: none">Mentored and supported middle school students in STEM-related projects, fostering their interest in technology and encouraging critical thinking skills through hands-on activities and experiments.Assisted in implementing learning experiences, including coding workshops improving students' understanding of complex concepts in an interactive setting.	Bellevue, Washington

Skills

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| <ul style="list-style-type: none">Programming Languages: Java, Python, C++, JavaScriptData Structures & Algorithms: Proficient in implementation | <ul style="list-style-type: none">Web Developments: HTML, CSS, ReactOther Skills: Problem solving, critical thinking, collaboration |
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