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Azaharul Islam

Data Analyst and UX researcher

Objectives

Eager and detail-oriented Computer Science student seeking an internship position in the field of Information Technology within the healthcare sector. Aiming to apply my strong technical skills, understanding of software development, and passion for digital healthcare solutions to contribute effectively to your organization's IT team. Keen on gaining hands-on experience in healthcare systems, data management, and system security to help streamline and safeguard healthcare operations. Committed to leveraging my academic knowledge and problem-solving abilities to support and enhance the technological infrastructure of a healthcare organization.

KEY SKILLS

• Software Development Lifecycle • Testing & Debugging • Linux and Unix
•UX Research •Data Analytics

Programming Languages: Java, Python, R
Web Development: Figma, HTML, CSS, JavaScript, PHP, Bootstrap,
NextJS, Sanity, Aria, Django, Docker, Git, Command Line, GitHub,
Test automation tools and frameworks: Playwright, Artillery, PyTest
E-commerce: Shopify

EDUCATION

M.S. in Data Science	Sep 2023 - Jul 2026
NJIT - Ying Wu College of Computing	Newark, NJ

Relevant courses: Applied Statistics, Data Analysis for Information Systems

B.S. in Web and Information Systems	Sep 2021 - Dec 2023
NJIT - Ying Wu College of Computing	Newark, NJ

- CGPA: 3.765/4.0

Professional Experience

Teacher of Computer Science	Mar 2023 - Present
Technology High School, NBOE	Newark, NJ

Intro to Programming, AP CS A, Intro to Ai

- **Led the Intro to Programming course with 14 students, focusing on foundational concepts in JavaScript and Snap! programming, fostering hands-on learning through interactive projects.**
- **Instructed 23 students in the AP Computer Science A course, guiding them through Java programming and advanced concepts, including JavaFX GUI development and complex problem-solving.**
- **Developed and taught an Intro to AI course to 14 students, emphasizing real-world applications through projects involving data analysis and AI principles.**

Research Assistant	Jan 2023 - Present
**Social Interaction Lab	NJIT**	Newark, NJ

Research Project: A Technology Acceptance Model Approach to Investigate Viewer Intentions behind attending Metaverse concerts

- Organizing, collaborating and hosting meetings between "Sogang University (South Korea)" and "NJIT" research groups
- **Designing a survey** and collecting data from 519 individuals in collaboration with a South Korean Research
- Conducting statistical analysis of the data for multiple regression model, demographic breakdown and data visualization

Supervisor: Dr. Yvette Wohn, Associate Professor, Informatics, NJIT

Skills: SPSS, OLS Regression, Survey Design, Research Paper Writing

Teacher Assistant	Jul 2023 - Present
Department of Computer Science| YWCC| NJIT	Newark, NJ

- Assisted in planning and implementing 2 courses: "Computer Programming and Graphics Problems" and "Advanced Empirical Research in Software Engineering"
- Administered hands-on demonstrations and workshops, teaching students how to create websites from scratch using Figma, Bootstrap, HTML, CSS, and JavaScript, resulting in more than **95%** student project completion rate
- Guided students in developing research questions, constructing theoretical models, conducting data analysis using SPSS, and honing research paper writing skills
- Supervised **100+ Students, 23 Web Development Projects** and **16 research papers** providing guidance to ensure practical skill enhancement
- Managed grading for assignments, projects, and exams, maintained attendance records, and oversaw student presentations to ensure organized and fair evaluation processes

Supervisor: Dr. Elijabiri Osama, Senior University Lecturer, Computer Science Department, NJIT

Skills: HTML, CSS, Bootstrap, SPSS, Classroom Management, Public Speaking, Cross-Functional Teamwork

EXTRACURRICULAR ACTIVITY

- *Real World Connections coach - Summer 2023*

  NJIT| May 2023 - August 2023
  - Designed a beginner-friendly Web Development course for high school students
  - Utilized Figma to ensure visualization first approach
  - Taught and Worked closely with students to ensure successful portfolio websites for everyone

Training, Web Development life-cycle, FIgma, HTML, CSS

CERTIFICATION

- Data Analytics Certification | Google | Apr 2022 - Oct 2022
- AP CS A| College Board|Jul 2024
- BJC intro to programming| Aug 2024

HONORS

- Magna Cum Laude

ACADEMIC PROJECTS

- **MyWebClass Website |https://project-2-team-jia-442r.vercel.app/#**
  - Utilized Scrum methodology for effective project management, ensuring timely completion of deliverables and continuous feedback from team members and stakeholders.
  - Conducted SEO optimization to improve website visibility and ranking on search engine results pages, driving more traffic to the website and increasing user engagement.
  - Implemented Playwright tests to ensure the robustness and reliability of the website, detecting and fixing any issues and bugs before deployment to production.
  - Leveraged Next.js with Bootstrap to develop a responsive, user-friendly, and visually appealing website, delivering a seamless user experience across different devices and screen sizes.
  - Skills: *Next.js, Bootstrap, Playwright, Agile project management, Search engine optimization (SEO)*
- **FDA Tech Lab Website**
  - Led a team in developing a user-friendly scheduling website designed to help students manage their daily tasks more effectively, utilizing secure coding practices such as parameterized queries, prepared statements, and input validation to prevent SQL injection attacks and ensure the integrity and security of user data.
  - Implemented dynamic and interactive features to create a secure login system and ensure that different users saw different content. Employed secure coding practices to protect user data, including input validation and database encryption.
  - skills: *MySQL, HTML, CSS, Bootstrap, JavaScript*
- **Total Soccer E-Commerce Store|** [Shopify Link](#) |[Figma Link](#)
  - The objective of this project was to create a fully-functional e-commerce store for soccer enthusiasts, offering a wide range of products related to the sport.
  - Prototyped and developed the website's design, layout, and functionality, and integrated it with payment and shipping systems. Demonstrated proficiency in managing inventory, order fulfillment, and customer service operations, gaining a comprehensive understanding of each function.
  - Skills: *E-commerce Management, Website Design and Development, Digital Marketing, Retail Operations*