YOUSSEF CHEKKORI

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SUMMARY

- Versatile and results-driven professional with expertise in full-stack software development, web development, UI/UX design, and systems implementation.
- Proficient in building robust, scalable web applications and creating user-centric interfaces that improve functionality and enhance user experience.
- Skilled in both front-end and back-end development, with a deep understanding of design principles and technical problem-solving.
- Experienced in collaborating with cross-functional teams to deliver high-quality software solutions.
- Capable of managing client expectations and ensuring alignment with business and user requirements.

EDUCATION

BA in Computer Science, Data Science, Graphic Design Augustana College
Expected Graduation: May 2027

TECHNICAL SKILLS AND LANGUAGES

Relevant Coursework: Object Oriented Programming, Data Structures, and Algorithms, Software Engineering, Advanced Databases, Linux Shell
Programming Languages: Python, SQL, JavaScript, Java
Web Development: HTML, CSS
Frameworks and Libraries: React.js, Selenium, Tkinter, Pygame, Pandas, Beautiful Soup, Git
Design Tools: Figma, Photoshop, Illustrator, InDesign
Other Skills: Robotics, Agile methodology, Problem-Solving, Active Listening, Critical thinking, French, Arabic, Strategic planning

PROFESSIONAL EXPERIENCE

Web Guild – Augustana College   *September 2024 - Present*

Web Developer
- Developed and maintained websites for over 250 clients, ensuring timely updates and optimal performance, using HTML and CSS, managed hosting through cPanel
- Managed the company inbox, responding to client inquiries, updates, and concerns.
- Collaborated with clients to understand and implement their website design requests and ideas, using Adobe Photoshop.
- Provided continuous troubleshooting and content update support, ensuring high client satisfaction.

EDGE Center Intern Augustana College   *May 2024 – August 2024*
Summer Internship Experience
- Website Design & Development: Designed and coded websites for local businesses using HTML and CSS, managed hosting through cPanel, and collaborated on group projects to create comprehensive company design frameworks, including website design, logo creation, and marketing materials.
- Graphic Design & Branding: Assisted in developing brand guides, letterheads, business cards, and social media content for clients, ensuring consistency across all visual assets.
- Client Communication: Managed client communications through company email, addressed website update requests, and ensured timely delivery of project milestones.
- Educational Outreach: Led workshops teaching young teens web design and coding basics, guiding them through building a website from scratch.
- Strategic Planning & Research: Conducted extensive research and developed strategic planning initiatives for a local theater organization, Genesius Guild, including designing and distributing audience and internal surveys to inform decision-making.

Data Management Intern
Baby Clothing Shop Company, Kenitra, Morocco   *June 2023 - August 2024*
- Established a comprehensive data framework for organizing all product inventory and optimizing the scanning process for product prices, names, and barcodes. This system significantly enhanced inventory management efficiency and accuracy.
- Spearheaded store management initiatives by presenting creative decorative ideas tailored to each season, enhancing the store's visual appeal and creating a welcoming atmosphere for customers.
- Collaborated with the store management team to implement innovative décor concepts, ensuring alignment with brand standards and customer preferences. Conducted market research to identify emerging trends in baby products and retail, providing valuable insights to inform product selection and marketing strategies.
- Assisted in organizing promotional events and seasonal campaigns, contributing to increased customer engagement and sales, and actively engaged with customers to gather feedback on product offerings and store ambiance, demonstrating a commitment to customer satisfaction and continuous improvement.

PROJECTS

Educational HAM Radio Simulator   *September 2024 - December 2024*
Developed an educational software simulator targeting beginners and hobbyists interested in learning amateur radio communication using CW ("Continuous Wave" or Morse code).
- Implemented functionality for live CW message transmission, frequency tuning, filter adjustment, and customizable side tone pitch, simulating real-world HAM radio operation.
- Designed interactive modes: Live HAM Radio, CW Practice, Scenario Practice, and AI Scenario Practice, using Java, JavaFX, and design patterns.
- Built multiplayer functionality allowing users to send CW messages via server communication, utilizing user login and custom usernames for collaborative gameplay.
- Enabled AI-powered scenario creation with Gemini AI, allowing users to define personalized scenarios with custom bots and save/load scenarios as JSON files.
- Integrated features such as speed control, debugging displays (dots/dashes and plain text), and real-world signal interference simulation for advanced practice.
- Used continuous Git collaboration, rigorous unit testing, and team-based development to ensure robust software engineering practices.

Web Scraping: "Product Recommender App"   *Summer 2022*
Assisted clients in finding the best products by utilizing web scraping techniques on specific websites like Amazon.
- Compiled data into a CSV table format, including product price, rating, number of reviews, and product links.
- Developed a user-friendly graphical interface app using Selenium, Python, HTML, CSS, kivyMD, and Beautiful Soup.

Games and Programs: "Digital Poker Emulation Probability Study"   *November 2023*
Created a deck of cards with associated scores using object-oriented coding.
- Emulated poker games by shuffling cards, distributing hands, and evaluating card combinations.
- Conducted 10,000 program runs to analyze the frequency of each card combination.

LEADERSHIP

EDGE Center Internship Augustana College   *May 2024 – August 2024*
Led a team to develop a comprehensive design framework for a mock tech company, including:
- Website design, logo creation, and marketing materials
- Managed project timelines, delegated tasks, and facilitated team collaboration
- Contributed to winning three awards, including "Best Overall Marketing Framework"