

Jana Ward

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Senior Computer Science student with hands-on experience in full-stack development, AI projects, and cybersecurity. Passionate about building scalable applications, mentoring others, and driving innovation through technology.

Experience

Full Stack Developer – Two of Us and TECHlarious

August 2024 – January 2025

- Committed to continuous learning and skill set development to include Html, CSS, JavaScript, React, Node.js, MongoDB, Express.js, DevOps, and Quality Assurance
- Created projects with a team of different skill set and specialty
- Conducted thorough meetings for learning and task distribution

Software Engineering Fellowship – Headstarter

July 2024 – September 2024

- Built and deployed 5 AI projects in 5 weeks using React JS, Next.js, Firebase, Clerk, and Vercel, following agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment
- Worked in a team of 3 to develop an interactive customer support agent using Next.js, integrated a custom RAG pipeline using OpenAI and Pinecone that responds based on a company's knowledge base
- Collaborated with other fellows to build and deploy a SaaS product that generates dynamic flashcards based on any topic using the Llama 3.1 LLM via the Groq API, integrated a paywall and custom pricing plans using the Stripe API
- Implemented a web scraper that automatically extracts data from Rate my professor and upsert to a Pinecone index, integrated with a RAG pipeline using LangChain and OpenAI GPT-4o to get up-to-date and relevant answers to user queries
- Scaled each web-app to 200+ users, iterated on user feedback to make continuous optimizations

TECHlarious Ambassador

May 2024 - present

- Organized tech workshops and events
- Supported learners in learning new tech skills from the courses provided by TECHlarious
- Fostered collaboration and commitment and shared experience with colleagues
- Represented TECHlarious in tech events

Google DSC - Cyber Security team

2023 – present

- Delivered through multiple workshops the essential fundamentals of cyber security to more than 50 students
- Explored the various types malware and discussed cyber attacks
- Deducted sessions about data security and social engineering tactics

Offensive Cybersecurity Boot camp – GDG, Semi colon Academy

February – March 2024

- Acquired a strong foundation in web security
- Gained a deep understanding of common security vulnerabilities such as IDOR and CSRF, and how to exploit them
- Obtained a familiarity with essential testing and recon tools to exploit several kinds of vulnerabilities
- Issued security reports upon discovering the vulnerability

Coding Instructor – Bright Champs

August 2023 – October 2023

- Taught multiple programming languages such as python and html and trained on many websites such as Replit, Thunkable and Scratch.
- Completed several projects and generated creative outcomes like games, animations, apps and websites using coding expertise in logic, sequence, and structure with the student.
- Conducted engaging and interactive coding sessions for international children.

- Participated in curriculum development, assessments, and certifications programs for students.
- Attained certificates in multiple skills upon completing many courses and several trainings.

Projects

- **CodeLingo – AI powered flashcard generator**
 - Developed a web application using different technologies: next js, firebase, clerk, stripe, Gemini to create personalized flashcards for students.
 - Created engaging social media content to promote the app and increase user acquisition
 - Implemented analytics to track user behavior and optimize the user experience.
- **University App | MIT App Inventor**
 - Created a basic college app where the user can check the school they're interested in, majors offered and courses using different types of blocks
 - Registered students can contact their professors as well where the latter uses google sheets and app script for sharing access

Community Activities

- Google Developer student club LU - Cybersecurity team
- Access Alumni – Amideast | US Embassy
- Injaz Alumni
- Talia charity for cancer patients

Certifications

- Linux essentials IT and NDG by Cisco, BOT December 2020 - March 2021
- Mobile application training by Dot March 2024 - May 2024
- Introduction to Cybersecurity and Cybersecurity essentials by Cisco, BOT August - September 2021
- English Toeic course – funded by Dot Lebanon October 2021 – January 2022
- Microwork – BOT
- Critical thinking and problem solving by Access and Teach for Lebanon October 2022
- Leadership and community building by Access and Teach for Lebanon April 2023
- Entrepreneurship by Access and Teach for Lebanon

Education

Bachelor's Degree in Computer Science - 2022-2025

Lebanese University LU – Hadath Campus, Lebanon

Skills

- **Programming Languages:** C, Java, Python, HTML, CSS, JavaScript
- **Frameworks/Technologies:** React, Node.js, MongoDB, Firebase, QA
- **DevOps Tools:** CI/CD
- **Languages:** Fluent in English and Arabic | Conversational in French and Portuguese
- **Interpersonal:** Team leadership and effective communication
- **Intrapersonal:** problem solving and time management