

Adam O. Hamou

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EDUCATION

University of Nevada Las Vegas, B.A. Computer Science

May 2025

- **GPA:** 3.85
- **Minor:** Physics
- **Relevant Coursework:** Databases, Data Structures & Algorithms, Object-Oriented Programming, Machine Learning, Software Engineering, Operating Systems, Programming Languages.

TECHNICAL SKILLS

Languages: C, C++, Python, Java, SQL, JavaScript/TypeScript, HTML/CSS

Frameworks: React, React Native, Flask, Express.js, JWT, bcrypt.js, Tailwind CSS

Cloud & DevOps: AWS (EC2, S3, IAM, Lambda, SAM, DynamoDB), Docker, GitHub Actions (CI/CD)

Developer Tools: Git, VS Code, PyCharm, IntelliJ IDEA, CLion, LaTeX

Operating Systems: Linux (Ubuntu, Debian), Windows, macOS

PROFESSIONAL EXPERIENCE

Freelance Web Developer

Remote

Independent Contractor

Aug 2024 - Present

- Designed responsive frontend websites for local businesses using React, Tailwind CSS, and Vite, improving client online presence and customer engagement.
- Phone Repair Business Website: Built a single-page site featuring service pricing, integrated EmailJS contact form for reservations.
- Hookah Lounge Website: Developed a multi-page site with interactive menu, reservation system, weekly event catalog, and embedded map integration, enabling 30% increase in customer inquiries.

Teaching Assistant - Operating Systems

Las Vegas, NV

University of Nevada Las Vegas

Jan 2025 - May 2025

- Supported instruction for a 120-student undergraduate course in Operating Systems.
- Provided detailed feedback on programming assignments involving system calls, process scheduling, memory management, and inter-process communication, helping students improve code quality and conceptual understanding.
- Coordinated with students and faculty to troubleshoot technical issues, align expectations, and ensure assignment deadlines and grading milestones were met.

PROJECTS

Housing Price Prediction using Linear Regression – Applied feature engineering, normalization, and SelectKBest feature selection to train a Linear Regression model in scikit-learn, achieving accurate price predictions with 10-fold cross validation and RMSE evaluation.

Gym Member Classification using Neural Networks – Implemented a multi-layer perceptron (64–32 hidden layers) in scikit-learn to classify gym members' gender, achieving 93% accuracy (Precision 95%, Recall 92%) with feature scaling, cross-validation, and visualization.

BlackjackPro Web App – Built a serverless full-stack web app with a Vite/React frontend on AWS S3 and backend using AWS Lambda (via SAM). Implemented secure authentication with bcrypt.js, JWT, and DynamoDB.

Personal Portfolio Website – Designed and deployed a responsive website using HTML, CSS, and JavaScript to showcase projects, resume, and professional experience.

ACTIVITIES

Involvement: Muslim Student Association(MSA), Association for Computing machinery(ACM)

Bilingual: Native English, Proficient in Arabic

Awards/Achievements: Competed in the SoCal ICPC Regionals(2024-2025)