Ahmd Fahs

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Projects

Minishell   github.com/repo

- Engineered a fully interactive Unix shell from scratch in C, handling user input and command execution.
- Designed a robust parser and tokenizer capable of correctly interpreting complex shell syntax.
- Implemented low-level process and signal management by manually creating and synchronizing child processes, and handling terminal signals to replicate real shell behavior.

H2Perfumes E-Commerce Website   Link

- Developed an online store using WordPress + WooCommerce with custom theme integration.
- Implemented product catalog, shopping cart, and secure checkout.
- Optimized for performance, mobile responsiveness, and user-friendly UI.

OverseasLinks Website   Link

- Built a responsive business website using Tailwind CSS for styling and modern UI design.
- Designed and deployed a responsive business website showcasing services and resources.
- Integrated clean navigation and structured content for usability.

University Course Scheduler System

- Developed in the first year of university as a desktop application to generate complete course schedules.
- Processed Excel input files containing professors' available time slots and assigned courses.
- Implemented constraint-based logic to handle room assignments, teaching days, and professor availability.
- Designed a Java Swing GUI for visualization, schedule editing, and conflict resolution.
- Used Maven for modular project management and dependency handling.

42 Projects

- Completed multiple projects at 42 Beirut, covering areas such as concurrency (Philosophers), graphics (So Long), algorithms and data structures (Push Swap), memory management, and low-level C programming.
- Gained extensive experience in debugging, team-based code reviews, and working under project constraints.

Experience

42 Beirut Core Program   May 2025 – Present

- Immersed in a rigorous, peer-driven curriculum focused on C programming, algorithms, memory management, and low-level system design.
- Successfully completed the highly selective 42 Piscine, an intensive month-long bootcamp, demonstrating resilience, adaptability, and critical thinking.
- Collaborated on team-based projects to strengthen problem-solving, code review, and debugging skills in a teacher-free environment.
- Progressed through structured levels covering algorithms, system programming, Git mastery, and collaborative development.

Mobile Developer Freelance, NazerApps   Jan 2024 – Aug 2025

- Assisted a team of developers in building and maintaining cross-platform mobile applications.
- Coordinated task assignments based on team members' strengths and availability, ensuring efficient workflow and timely delivery.
- Created and managed detailed project timelines and schedules, aligning resources and tracking milestones.
- Oversaw all development phases, from client communication and requirement gathering to deployment and maintenance.

Publications

AI Instead of Wasta: A Lebanese Dream of a Fair Government   June 2025

Ahmd Fahs, Medium

Link to the article

Education

Phoenicia University, BS in Computer Science   Sept 2022 – June 2024

- Participated in multiple student clubs, including Robotics Club, and IEEE Student Branch.
- Dropped university due to financial constraints.

Skills

Languages: C++, C, Java, HTML/CSS, Dart, Swift (basics)

Frameworks and Platforms: Flutter, WordPress

Concepts and Advanced Skills: OOP, Data Structures, Algorithms, Design Patterns, SOLID Principles

Certificates

AWS Certified Cloud Practitioner, Amazon Web Services   Sept 2025

- The AWS Certified Cloud Practitioner validates foundational, high-level understanding of AWS Cloud, services, and terminology.
- Link to Certificate

EECE230X - Introduction to Computation and Programming, American   Jan 2025
University of Beirut (AUB)

- The AWS Certified Cloud Practitioner validates foundational, high-level understanding of AWS Cloud, services, and terminology.

Elements of AI for Business, MinnaLearn   Aug 2025

- Focus: Understanding AI applications, business strategy alignment, and responsible AI adoption.
- Link to Certificate