Ryan Touloujian

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Education

Lebanese American University   Beirut
Bachelor of Science, Major: Computer Science   Graduation December 2025
GPA: 3.4/4.0
Academic Honors: Dean's Honors List (2 semesters)
Course Work: Data Structures & Algorithms, Cloud Computing, Computer Security, Computer Networks, Machine Learning

Skills

Technical: Java, Python, C++, HTML, CSS, React.js, GitHub
Soft Skills: Time Management, Communication, Problem Solving, Independent

Professional Experience

Code-X   Beirut
Web Development Intern   July 2025 – September 2025
- Designed and implemented three fully functional web pages using HTML, CSS, and React + Tailwind CSS, resulting in improved user experience and enhanced user accessibility across different screen sizes
- Built Python scripts using BeautifulSoup, Scrapy, and Selenium to extract data on over 500 products from websites for market analysis (e.g., product names, prices, URLs)
- Enhanced code safety by integrating TypeScript type checking, reducing run-time errors by approximately 30% in front-end components
- Participated in daily meetings to report progress and coordinate next tasks, improving team communication.

Leadership & Community Involvement

Beirut Coding for Youth   Beirut
Programming Tutor   January 2025 – April 2025
- Taught Python basics to 15 high-school students; 90% completed final projects (simple games, data parsing)
- Built a pytest auto-checker for assignments, saving ≈10 minutes of grading per submission

Project Experience

Machine Learning
Diabetes Prediction Model with Explainable AI   January 2025 – April 2025
- Developed and trained models to predict diabetes with up to 92% accuracy using patient health data
- Applied Explainable AI methods and counterfactual explanations to explain the predictions and identify key influencing factors
- Provided actionable changes showing how adjustments affect outcomes, improving model transparency

Computer Networks
File Sharing System   February 2025 – April 2025
- Developed a client-server file sharing application that supports secure login, simultaneous, and resumable downloads
- Designed a Python Tkinter graphical user interface with login roles, file progress bars, and secure database authentication

Mobile Application
Expense Tracking App   September 2024 – December 2024
- Created an Android app with firebase to track personal expenses and visualize spendings
- Designed a clean user interface using Android Studio and Java, improving app performance across devices

Languages

- Fluent in English, French, Arabic, and Armenian