

BOGHOS HAMALIAN

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EDUCATION

Haigazian University

Bachelor of Science: Computer Science

Beirut, Lebanon

Graduated: May 2025

Melankton and Haig Arslanian Djemaran

French Baccalaureate

Beirut, Lebanon

Graduated: July 2021

PROJECTS

Real Estate App – React Native, Expo, Appwrite, Tailwind CSS, TypeScript-([GitHub](#))

Sep 2025 - In Progress

- Building a full-stack mobile app for property listings with Google authentication, dynamic search/filter, user profiles, and reusable architecture. Currently implementing core features like authentication, home page, and property details page.

Portfolio Optimization Streamlit App (Capstone Project)([GitHub](#))

Jan 2025 - May 2025

- Built a portfolio optimization system using **Python's NumPy, pandas**, and **SciPy**, by applying Modern Portfolio Theory and SciPy's optimization algorithms to user-selected stocks, as measured by risk-adjusted allocation outputs based on user-defined investment amount and risk tolerance.
- Developed a full-stack financial dashboard using **Streamlit**, by integrating data cleaning, risk/return analysis, and efficient frontier visualization, as measured by real-time insights and interactive portfolio recommendations.
- Implemented backtesting and performance analytics, by processing 5+ years of historical data with **yfinance**, as measured by accurate comparisons between optimized and naive portfolios.

Expense Tracker App ([Demo](#))

Mar 2024 - Apr 2024

- Developed an expense tracker application using **Kotlin** in **Android Studio**. The app allows users to add expenses and incomes, automatically calculating the budget. Implemented an **SQLite** database to securely store data, enabling users to view their comprehensive expense and income history.

WORK EXPERIENCE

Xpertbot

Backend Development Internship

Beirut, Lebanon

Oct 2024 - Feb 2025

- Gained hands-on experience in **Laravel, PHP**, and **RESTful APIs** development.
- Managed version control with **Git, GitHub**, and handled dependencies using **Composer**.
- Utilized **Postman** for API testing, **JSON** for data exchange, and **XAMPP** for local server setup to enhance backend performance and scalability.

Jack Gifts Accessories

Shopify Website Manager

Beirut, Lebanon

May 2024 - Dec 2024

- Managed and maintained the Jack Gifts Accessories **Shopify** website, ensuring updates and smooth functionality.
- Utilized **Google Analytics** and **Meta Pixel** to improve website performance and boost social media engagement through data insights.
- Conducted **data entry** and analysis using **Excel** to maintain accurate records. Provided **technical support** for Shopify apps and resolved minor issues to improve the store's overall operations.

TECHNICAL SKILLS

- Programming:** JavaScript, TypeScript, React JS, React Native, Expo, Python, Java, SQL, HTML5, CSS, Kotlin
- Tools:** GitHub, Git, MySQL, SQLite, MongoDB, Postman, Hugging Face, Android Studio, Microsoft Office,
- Soft Skills:** Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation.

LANGUAGES

- English, French, Arabic, Armenian