

# Ali Haidar

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## EDUCATION

**St. Olaf College** | Northfield, MN

Expected Graduation: Jan 2027

**Bachelor of Arts:** Computer Science and Quantitative Economics | **Concentration:** Statistics and Data Science

**Coursework:** Hardware Design, Software Design, Linear Algebra, Discrete Mathematical Reasoning, Data Science I, Statistics II, Data Structures, Econometrics, Macroeconomics, Microeconomics, Health Care Econ, Analysis of algorithm

## RELEVANT EXPERIENCE

**Market Research** | *SYNCRIS / University of Minnesota* | Minneapolis, MN

May 2025 – Aug 2025

- Conducted market research and identified 40+ potential reseller and installer leads to support SYNCRIS' modular microgrid outreach strategy
- Contributed to TAM/SAM/SOM analysis estimating a \$7.5B addressable market and collaborated with leadership to shape investor and partner outreach for rural energy stakeholders.

**Marketing, Advertising, and Digital Design Intern** | *St. Olaf College* | Northfield, MN

Jan 2025 – Feb 2025

- Led marketing campaigns, including increasing student survey participation to 75% and promoting the new on-campus barber shop through engagement activities
- Analyzed real-world marketing case studies to apply industry concepts to practical projects, while developing skills in teamwork, strategic marketing, advertising, and digital design through hands-on experiential learning

**Data Analyst Intern** | *NETPRO* | Beirut, Lebanon

Jun 2024 – Aug 2024

- Analyzed WiFi performance and usage data, identifying key trends that led to a 15% reduction in service downtime
- Developed interactive dashboards using SQL, Python, and Tableau, enabling real-time tracking of 5+ key performance metrics and enhancing team decision-making
- Conducted predictive analysis that forecasted peak usage periods, improving resource allocation and reducing service response time by 20%

## PROJECTS

**Co-Creator Project MTRX (Residence Life Operations Platform)** | *JAVA / CSS*

May 2025

- Designed and built a secure web app for 120+ Residence Life staff to manage scheduling, GPS tracking, and payroll verification; developed and deployed with Next.js, Node.js, MongoDB, OAuth2, and Vercel
- Maintained and enhanced the platform by monitoring uptime, fixing bugs, and adding features; released the restricted version at [thecollaborative.vercel.app](https://thecollaborative.vercel.app) and a public pilot version at [projectmtrx.com](https://projectmtrx.com)
- Created training materials and user documentation; conducted workshops to onboard staff and demonstrated platform functionality, projected to save \$17K annually by reducing misrepresented timecards

**Electric Vehicle Adoption & Efficiency Analysis** | *R*

Jan 2025

- Analyzed 205K+ vehicle records using R, ggplot2, and dplyr to study EV adoption, efficiency, and sustainability trend
- Developed 5+ interactive data visualizations, highlighting a 500% increase in EV production from 2010 to 2023 and manufacturer contributions across 50+ brands
- Identified key insights, revealing that 75% of Battery Electric Vehicles (BEVs) qualify for Clean Alternative Fuel Vehicle (CAFV) eligibility, while 40% of Plug-in Hybrids (PHEVs) do not

**Bank Account System** | *C++*

Dec 2024

- Developed a C++ bank account system with deposits, withdrawals, and interest features; implemented data persistence via serialization and file I/O using OOP, CMake, and Boost
- Created a C++ bank account system with data persistence, OOP design, and CMake/Boost integration.
- Built a C++ bank account system with OOP, file I/O serialization, and CMake + Boost integration for data persistence.

## LEADERSHIP & EXTRACURRICULAR EXPERIENCE

**Resident Assistant** | *St Olaf College* | Northfield, MN

Aug 2025 – Present

- Mentor and support 65 first-year by building an inclusive community, promoting healthy relationships, and guiding social-emotional skill development
- Assist residents with conflict resolution through active listening, mediation, and connection to campus resources

## SKILLS & INTERESTS

**Technical:** Python, C++, R, SQL, HTML, CSS, JAVA Software Design, Adobe, Business Model Canvas, Market Analysis, Strategic Planning, Customer Discovery, Lean Startup Methodologies, Excel, Clean Energy Technologies

**Language:** English (Fluent), French (Fluent), Arabic (Native), Italian (Beginner)