

## Adam Zaatar

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### Education

#### Bowdoin College

Bachelors of Arts, Computer Science & Economics, Minor in German  
GPA: 3.46

**Brunswick, ME**

Expected May 2027

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### Experience

#### Intern, Leading Change Network

**Online** | November 2024 - Present

- Contributed to data management within LCN's CRM system, ensuring precision and efficiency to support global initiatives.
- Enhanced organizational operations by streamlining data workflows and optimizing reporting processes for actionable insights.
- Played a role in fortifying the digital backbone of LCN, empowering transformative social change on an international scale.

#### Student Advisor, Bowdoin College Computer Science Department

**Brunswick, Maine** | November 2024 - Present

- Collaborated with faculty to evaluate tenure-track faculty candidates, conducting structured interviews and providing detailed written feedback using standardized evaluation rubrics.
- Assessed candidates' research presentations and engaged in discussions to align hiring decisions with departmental goals.

#### Web Staff, The Bowdoin Orient

**Brunswick, Maine** | August 2024 - Present

- Collaborate with the Digital Director to develop, optimize, and maintain the Bowdoin Orient's primary news website using HTML, CSS, and JavaScript, ensuring efficient code structure and user-friendly design.
- Perform data analysis on website traffic and engagement to identify trends and optimize content placement using Google Analytics.
- Support back-end updates and integrate plugins to enhance site functionality, improving user experience and site retention rates.

#### Summer Intern, Pivot Jordan

**Amman, Jordan** | May 2023 - August 2023

- Tracked project data and created cost analyses and budgets for renewable energy initiatives.
- Debugged software for energy monitoring systems, improving algorithm efficiency.
- Evaluated the economic impact of renewable energy projects to inform engineering strategies.

#### Software Engineering Intern, Sager Drones

**Amman, Jordan** | May 2022 - August 2022

- Reviewed drone navigation algorithms for GPS routing and flight optimization.
- Gained insights into machine learning for obstacle detection and real-time data processing.
- Applied statistical methods to analyze drone data for environmental impact studies.

#### Founder & Leader, Martial Arts Club

**Brunswick, Maine** | Sep 2024 - Present

- Established Bowdoin's first Martial Arts Club, fostering a safe and inclusive space.
  - Secured \$800 in funding for equipment by presenting a detailed budget proposal.
  - Designed training plans with guidance from experienced coaches, emphasizing safety and technique.
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### Personal Projects

#### Full-Stack Mobile App Development IOS

Utilized SwiftUI, UIKit, MapKit, Firebase, Firestore, Combine, and more through the following projects:

- Twitter Clone:** Developed a feature-rich Twitter clone, integrating real-time tweeting, user authentication, profile management, and dynamic feeds using Firebase and Firestore, with a smooth user experience powered by SwiftUI and UIKit.
- Instagram Clone:** Engineered a scalable social media app replicating Instagram's core features, including photo sharing, real-time comments, user authentication, profile management, and integrated chat functionality, utilizing Firebase, Firestore, Combine, and SwiftUI for a dynamic and engaging user experience.
- Investify:** Designed a virtual investment app integrating an API that sends real-time S&P 500 data and created leaderboard features. Provided the app to Bowdoin Economics professor Erik Nelson for use in his economics class.

#### Academic Projects

- Calculator Software:** Implemented an integer calculator using stacks, converting infix to postfix notation and solving expressions.
  - Live Web Server:** Designed and implemented a high-performance three-tier web server in C, utilizing sockets API, TCP, and HTTP/1.0 to efficiently manage client requests, perform database lookups, and maintain communication with a backend server.
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### Skills

**Technical:** App Development IOS, Algorithms, Data Structures, Multivariable Algebra, Research Writing, Project Management

**Computer Languages:** Java, Python, C, Swift, R, HTML, CSS, JavaScript, Assembly.

**Frameworks:** MySQL, Laravel, React, Node.js, Express.js, XCode Storyboards, SwiftUI, Firebase, Firestore, Linux, Git.

**Languages:** Fully proficient in Arabic and English - Conversational in German