

University Address

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ISAAC VILLALOBOS

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Home Address

1910 Euclid Ave
Boise, ID 83706

EDUCATION**Massachusetts Institute of Technology (MIT)**

Candidate for B.S. in Computer Science, B.S. in Business Analytics, Minor in Mathematics

Cambridge, MA

May 2025

- **GPA:** 4.8/5.0
- **Relevant Coursework:** Multivariable Calculus, Fundamentals of Programming, Computational Thinking and Data Science, Physics I/II, Accounting, Managerial Finance, Applied Probability & Statistics, Mathematics for CS, Linear Algebra, Microeconomics, Optimization Methods, Communicating w/ Data

Timberline High School

High School Diploma

Boise, ID

May 2021

- **GPA:** 4.28/4.0, SAT: 1560 (Math: 790)
- **Awards:** President's Award for Educational Excellence, Boise Rotary Century Scholar, AP Scholar
- **Boise State University Courses:** Engineering Statistics, Discrete Math, Differential Equations

WORK EXPERIENCE**Boston Consulting Group (BCG)**

Incoming Summer Associate

Boston, MA

June 2023 – Aug 2023

- Anticipated for Summer 2023.

Jane Street

In Focus - Software Engineering Fellowship

New York City, NY

May 2023

- Engineered an algorithmic trading bot using various trading strategies to win 2nd place in Jane Street's ETC.
- Implemented the game Snake from the ground up using OCaml, a functional programming language.

MIT Sloan School of Management

Undergraduate Research Associate

Cambridge, MA

Sept 2022 – Present

- Working alongside Thomas Kochan to pioneer a MITx course focused on workers' rights in the digital age.
- Recommended and implemented a new course module based on research in emerging technologies, such as generative AI. Adapted the module to teach students about the impact of these trends on the future of work.
- Applied data analytics and ML to 300+ student discussion posts to assess and increase student retention.

Coalition of Racial Equity in Mental Health (CORE)

Web Development Engineer

Cambridge, MA

Dec 2022 – Feb 2023

- Programmed a new website in an effort to connect minority groups with non-profit mental health services.
- Designed and launched a brand restructuring to better reflect the mission statement of CORE Mental Health.

Instituto Politécnico Nacional (IPN)

Research Intern – Computing Research Center

Mexico City, MX

June 2022 – Aug 2022

- Improved the energy efficiency of existing wireless sensor networks by 38% using Python and mathematical models to analyze the performance of various node sorting algorithms in WSNs.
- Authored a research paper detailing the methods used and the findings of the project.

LEADERSHIP EXPERIENCE**Camp Kesem MIT**

Volunteer Camp Counselor

Cambridge, MA

Oct 2021 – Present

- Lead a group of 11 children through planned activities, ensuring safety and enforcing facility regulations.
- Organized listening sessions to empower and support children through and beyond a parent's cancer.

Nations United Soccer

Head Coach (U-10)

Boise, ID

Dec 2020 – Aug 2021

- Coached a newly established refugee boys soccer team in the Rush Soccer League.
- Mentored 24 kids on discipline, sportsmanship, and aspirations through team huddles.
- Led team to the league championship game in my first season as head coach.

SKILLS

- **Languages and Skills:** English | Spanish | Turkish | Python | Java | OCaml | Excel | PowerPoint | Bloomberg Terminal Certified | Communication | Time-Management | Leadership | Public Speaking | Problem Solving
- **Activities/Interests:** ColorStack | DJ | MMA | Fitness | Reviewing Food | Music Festivals | Cooking | Travel