

Matteo Dall'Olmo

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EDUCATION

Washington University in St. Louis, McKelvey School of Engineering

St. Louis, MO

Bachelor of Science – Computer Science, Second Major in Italian

May 2026

- + Cumulative GPA: 3.85/4.0 | Engineering GPA: 4.0/4.0 | Dean's List all semesters
- + Past coursework: Intro to AI, Matrix Algebra, Object Oriented Software Development, Intro to Computer Security
- + Proficient in Java, Python, C++, C#, Swift, Typescript, Javascript, CSS, and HTML

Harvard-Westlake School

Los Angeles, CA

May 2022

- + Weighted GPA: 4.4/5.00 | SAT: 1580/1600
- + Honors: Cum Laude Society Inductee, Dean's List for 4 years

WORK EXPERIENCE & PROJECTS

Boondoggle AI

St. Louis, MO

Software Engineering Intern

June 2024 – Present

- + Tech Stack: React, OpenAI, LangChain, Supabase, Pinecone
- + Integrated over a dozen APIs in JavaScript to support client requests and created workflow chains to handle user data, generate insights with LLMs and support natural-language querying of vector databases
- + Contributed to full-stack development within an Agile framework, designed UI elements and refactored backend functions to minimize database & API calls, participated in daily standups and bi-weekly sprint planning to ensure collaborative progress

McKelvey School of Engineering

St. Louis, MO

Teaching Assistant – Object Oriented Programming

January 2024 – May 2024

- + Led weekly office hours for over 160 students, assisted with coursework in C++ as well as answered questions about lecture topics online on public forum Piazza
- + Responsible for grading labs and exams while also attending weekly TA meetings to foster a strong learning environment

Sport Dojo

St. Louis, MO

iOS Development Intern

December 2023 – May 2024

- + Developed an app using SwiftUI for youth soccer coaches to administer their teams, providing squad management and analytics as well as a learning module with video courses and manuals for developing coaches
- + Added sign in functionality connected to a Firebase database that supports Google and email/password authentication, and implemented EventKit to integrate each coach's calendar with the team's practice and game schedule

OpenX

Los Angeles, CA

Software Engineering Intern

May 2022 – August 2022

- + Created a graph-style data visualization model in Typescript, HTML, and CSS that showcased weight and frequency of transactions between Buyers, Publishers, Demand-side and Supply-side platforms
- + Participated in daily standup and weekly presentations to technical leads, using Jira, Confluence, and GitHub to track tickets, maintain stylistic standards, and keep up robust documentation of the project

Water Polo Statistics App – [GitHub Link](#)

Full Stack Developer

- + Designed an interface to record key metrics of shots and saves from opposing SoCal teams using SwiftUI, provided analytics of the shots and supported individual player and whole-team queries of shot/save data
- + Stored and read data using Firebase Firestore, and created admin and player accounts using Firebase Authentication
- + Published on the app store so teammates could review opponents' tendencies and find insights into their own playstyles
- + Wrote a tech spec and class structure diagram before beginning work on the project and used GitHub throughout the project to track issues and manage the project board

LEADERSHIP EXPERIENCE

Sigma Chi, Tau Tau Chapter

St. Louis, MO

Vice President of Finance

June 2023 – May 2024

- + Elected by my peers to balance the finances and deliver the final say on all fraternity incomes and expenditures
- + Managed dues collection and formal payments for 75+ members totalling over \$100k per semester, budgeted for social events, philanthropy, financial aid, and other miscellaneous expenses

WashU Water Polo

St. Louis, MO

Captain

September 2023 – Present

- + Led 25 person team to a 4th place finish in the National D1 Club Championships, organizing practice and game schedules, travel logistics, and lodging
- + Collaborated with school administrators to initiate the process of elevating the team's status to a varsity sport, citing our exceptional performance at Nationals

PERSONAL NOTES

Activities: College radio show host, indoor rock climbing, and gardening club

Interests: Jazz guitar, Italian language, house plants, ceramics, and Catan