SAMUEL HARSHE

SH

Yale University 2024.5 | Pure Mathematics Major & Soccer Player | New Haven & Ann Arbor | (734) 548-3005 | github.com/samharshe | sam.harshe@yale.edu | samharshe.com

SUMMARY

Ambitious undergraduate with a background in mathematics looking to begin work in tech. Greatest strengths are versatility and intensity. Equally comfortable doing sales, engineering, or anything in between. Track record of a distinguished work ethic on elite teams.

EDUCATION

Yale University, New Haven, CT   BS Expected December 2024.
- Major: Pure Mathematics.
- Current GPA: 3.7
- Recipient of Nathan Hale Associates Scholarship.

Dexter High School, Dexter, MI   Graduated 2020.
- Class rank: 1st of 291.
- Perfect SAT as 15 year-old.

INDEPENDENT PROJECT EXPERIENCE

Paved.io   May - August 2022
Built a website for incoming college students and did research on geo-engineering and nuclear energy solutions to climate change in a self-directed internship at Paved.io, a highly selective incubator of early tech talent.

Machine Learning Independent Study   August 2019 - May 2020
Completed Andy Ng's *Machine Learning* MOOC. Used Beautiful Soup to scrape data and Python ML libraries to predict the winners of NBA games better than FiveThirtyEight and Las Vegas.

Web Development   February 2018 - Present
- Designed, created, and published personal portfolio site samharshe.com using HTML, CSS, and JS. Site made responsive using Flexbox. Dynamic functionality achieved using JS. Site hosted on AWS.
- Designed, created, and published real-estate site jhclosingsolutions.com using HTML, CSS, and JS. Logo design on Adobe Illustrator. Site made responsive using Flexbox. Site hosted on AWS.
- Customized the Shopify site of mental-health brand KeepItWholesome to sell merchandise to its millions of followers. Used Liquid, JS, HTML, and CSS to create effects that could not be created using Shopify's standard customizability.

PROGRAMMING LANGUAGES

- Python, including scikit-learn, pandas, numpy, and Beautiful Soup (intermediate).
- HTML/CSS (intermediate).
- JavaScript (intermediate)
- Shopify development (intermediate).
- Java (beginner/intermediate).
- Swift (beginner).
- Basic git and command line tools.

OTHER SKILLS

- Human languages: Spanish (C1); French (B1/B2 comprehension); Italian (A2 comprehension); Latin (beginner; working toward full literacy).
- Writing: Majority of courses so far taken at Yale have been writing-based. Amateur essayist, poet, and journaler.
- Adobe Illustrator (beginner/intermediate). Actively working to gain proficiency.

SOCCER

Yale University Men's Soccer   August 2020 - Present.
Appeared in 9 games, starting 2, as a freshman in 2021. Appeared in all 16 games, starting 10, as a sophomore in 2022.

Loudoun United FC   March 2021 - May 2021, June 2022 - August 2022.
Trained with professional team Loudoun United, DC United's second team, which plays in the US 2nd division, and occasionally also with DC United, which plays in the US 1st division. Could not play in games per NCAA rules.