Yoftahe Milkessa

Website Linkedin Email
+1(475) 209 0186

EDUCATION

Yale University, New Haven, CT; Class of 2022

- Bachelor of Science, Computer Science

SKILLS

- Programming with Python, Typescript, React.js, LLMs, Javascript, C, PostgreSQL, Rest APIs, Golang, HTML, CSS. Experience with Dart and the Flutter framework, and ROS for robot programming
- AWS, Encryption and Cryptography, Unix, LLM-based Steganography, Image processing

WORK HISTORY

Syncpad Studio, *Founder,* Feb 2026 - Present

- Built and launched a web app called Syncpad, a digital white board designed for math tutoring that is now used by dozens of independent tutors in the Northern Virginia area. It allows tutors and students to collaborate using interactive graphs, drawings, and quizzes over the web, while supporting remote tutoring via a web call. The app has an integration with an OpenAI large language model for producing context-aware practice problems, and hints to the quiz questions.

Private SAT Tutor, April 2024 - Present

- I work as a paid SAT tutor and a college admissions advisor for families in northern Virginia.
- I also do some academic tutoring for AP Math and Physics.

Huddlers, *Founder, Software developer*, March 2023 - Nov 2024

- Started huddlers.dev, a web service that enables developers to create fast and resource-efficient Nostr applications. This web service cached posts from multiple relays, making them accessible from client apps via simple web requests. Built this service using Golang and various other tools.

Rutter, *Software developer*, August - November, 2022,

- Increased the scope of Rutter's accounting endpoints by building integrations with Quickbooks using Typescript.
- Built Rutter's integration with eBay's XML api.
- Wrote tests for Rutter's accounting integrations with Quickbooks and Xero, increasing test coverage.

Apple Inc, *Intern at Systems Firmware and Diagnostics*, Summer 2021, Remotely from New Haven, CT

- Worked on lowering the boot time of diagnostics software in order to increase testing speed in the factory. Achieved boot time reductions in the range of 3 to 15 seconds across the different versions of Apple's M1 Macbooks which were rolled out later that year.

Yale University, *Tutor for the class "Mathematical Tools for Computer Science"*, Fall 2020, New Haven, CT,

- Conducted regular review sessions on the topics of Linear Algebra and Discrete Mathematics as a paid tutor for two undergraduate students at Yale.

Yale Interactive Machines' Group, *Research Assistant,* New Haven, CT, May 2019 - March 2020

- Programmed the motion of a robot using Python and a ROS framework. This was done as part of a research project on studying people's perception of a robot's gaze.
- Recruited participants for our human-robot experiments during the summer of 2019. Supervised all of these experiments which were conducted in the Yale IMG lab. Results were published at IROS. Link to paper