

Shreyas Donti

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EDUCATION

University of Massachusetts Amherst

Exp. Graduation May 2025

- Pursuing a B.S in Computer Science
- **Coursework:** Data Structures and Algorithms, Object Oriented Programming, Exploring Modern Computing, Calculus
- **Societies:** UMass Cybersecurity Club, UMass Machine Learning Club Model United Nations, Indian Student Union, Asian American Student Association

PROJECTS

github.com/stelleron

C++ Multimedia Framework

- Developed a 2D multimedia framework in C++ using OpenGL and SDL for designing graphical applications and video games.
- Implemented features such as font rendering, playing audio, efficient graphics rendering, image loading and processing, et cetera. Learnt about multimedia programming, advanced C++ object-oriented programming, Github, and software development strategies

Independent OpenGL Research Paper

- Conducted research investigating data transfer bottlenecks in modern versions of OpenGL and identifying optimizations and use cases under the mentorship of Dietrich Geisler, Computer Science PhD candidate at Cornell
- Published on SSRN.com under the Theoretical Computer Science eJournal; made Top Ten downloaded list in eJournal on July 2023

Static Site Generator

- Developed a static site generator in Python that quickly converts Markdown files into HTML to generate web pages for a static site; demonstrated HTML/CSS knowledge, Python file I/O and OOP knowledge
- Currently being used to manage content for my personal blog

Javascript Notemaker App

- Created an notemaker application with Javascript that takes and stores notes on local storage; learnt state management, application life cycle, and event handling

SKILLS

- **Programming Languages:** C, C++, Python, SQL, Lua, Rust, Javascript, Bash, Java, Go
- **Tools:** GitHub, OpenGL, SDL, REST API, Slack, MacOS, Windows, HTML/CSS, Unix, Linux
- **Skills:** Project Management, Software Development, Databases, Debugging, UI/UX Design, Communication Skills, Reliability, Independence, Teamwork

EXPERIENCE

ENGin, English Tutor

Nov 2021 – May 2022

- Conducted 22 one hour-long English speaking classes for an English second language student in Ukraine
- Taught student in conversational English and provided prompts to encourage conversation to improve student's English speaking skills

Fueladream, Fundraiser

July 2020 – August 2020

- Raised INR 49,500.00, 65% over funding target, as part of a Fueladream campaign raising funds for insulin purchases for children with Type 1 diabetes