

Hrishik Yendluri

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Skills

- Programming languages:
 - ★★★: C, C++, HTML/CSS
 - ★★: Assembly (x86), Python, SQL, bash
 - ★: JavaScript, sh
- Operating systems:
 - ★★★: Linux (in general), Windows
 - ★★: Unix, Ubuntu, Kali
 - ★: MacOS
- computer / system architecture and structure knowledge
- low-level system development experience
- web development experience
- database setup and management experience
- development software / tools experience
- networking and internet structure knowledge
- basic cryptography knowledge
- basic cybersecurity tools knowledge

Experience

Research / Work

- Research:
 - UT Dallas Internship: researched simulation techniques for running efficient and accurate quantum systems on classical computers
 - Programming: researching topics relevant to my coding projects to implement previously available and / or original solutions
- Work:
 - Tutorials: teaching the basics of biology to incoming 9th graders to prepare them for the high school class

Academic

- School:
 - Math: AP Calculus BC (current), AP Statistics
 - Science: AP Physics 1 (current), AP Biology (current), UT Onramps Chemistry
- Personal:
 - Math: linear algebra, multivariable calculus (basics)
 - Science: computer science, quantum mechanics / computing (basics)

Extracurriculars

Programming Projects

- HrishikOS
 - small operating system written from scratch
- "A Guide to Operating System Development (for Beginners)"
 - book written in LaTeX as a guide to developing operating systems
- Q-Buruzu
 - user-friendly and accurate qubit simulator (working with a friend)
- hrishiky.github.io
 - personal website and blog that has some projects and games

Other

- UT Dallas Research Internship
- Future City and Coding Club (Wednesday, Thursday; Weekly)
- Courses (both self-taught and guided)
- Tutorials (Summer Break; Yearly)
- Volunteering (3 years; ~75 hours)

Note: projects and coursework available in GitHub profile (linked at the top); certificates/proofs can be send upon request

Interests

- learning about subtopics in computer science (very often)
- working on programming projects (very often)
- working on personal and other websites (very often)
- reverse engineering and porting video games (occasionally)

Additional

Technical: experience using work/productivity tools from major software providers (Google Docs, Microsoft PowerPoint, etc.)

Volunteerism: unpacked, sorted, and repackaged food at the Houston Food Bank for 3 years (summer) for a total of around 75 hours

Language: fluent in English, Telugu, and a little bit of Spanish