

# Hrishik Yendluri

hrishik.yendluri@gmail.com | <https://hrishiky.github.io> | <https://github.com/hrishiky>

## 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 sent 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