

# Prayuj Tuli

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## EDUCATION

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### University of Florida

Gainesville, FL

*B.S in Computer Science & B.S. in Mathematics; GPA: 3.97/4.00*

*Aug 2021 – Dec 2024*

- **Relevant Coursework:** Data Structures and Algorithms, Linear Algebra, Compilers, Probability, Databases, Differential Equations, Discrete Mathematics, Statistics, Proofs

### Land O' Lakes High School

Land O' Lakes, FL

*International Baccalaureate Program; Valedictorian - GPA: 4.81/4.00*

*Aug 2017 – May 2021*

## EXPERIENCE

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### University of Florida

Gainesville, FL

*Teaching Assistant: COP3530 - Data Structures and Algorithms*

*Aug 2022 – Present*

- Conducted biweekly office hours to assist students in learning course content.
- Involved in grading student coursework such as exams and projects.
- Worked with professors to automate grading workflow using the Google Sheets and Canvas APIs.

### KUMON

Lutz, FL

*Math/Reading Instructor*

*Aug 2019 – April 2020*

- Worked part-time during the school year helping younger kids become proficient in higher level algebra and improve their reading comprehension.

## INVOLVEMENT

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### Open Source Club

Gainesville, FL

*Technical Lead*

*Aug 2022 – Present*

- Leading “Casual Coding” sessions to work with and assist members on open-source projects.
- Responsible for management of club’s public Git repositories.

## PROJECTS

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### You Owe Me

*June 2022 – Aug 2022*

- Worked as a group to simplify the process of paying back debts between multiple people by significantly reducing the number of edges in a weighted directed graph.

### Subsonic Streaming

*May 2022 – Aug 2022*

- Self-hosted a music streaming server for personal use through Subsonic’s open-source software
- Integrated with Apple Shortcuts’ SSH functionalities to easily use features such as adding new songs, replacing existing songs with different audio sources, and migrating public Spotify playlists.
- Utilized Subsonic’s Python API to allow for back-end communication with the music server, Spotify’s API to gather song metadata, and other libraries to properly set .mp3 file ID3 tags.

### Arch Linux

*Aug 2021 – Present*

- Configured an Arch Linux environment from scratch to optimize work productivity through custom keyboard macros and efficient window tiling, while creating an aesthetically clean display.
- Wrote several Bash and Python scripts to personalize the environment, including adding facial recognition for PAM authentication, and offline voice recognition to control the device.
- Applied Xorg’s C++ libraries to write low-level programs to handle raw input events and synchronize with RGB lights using OpenRGB.

## PROGRAMMING SKILLS

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- **Languages:** C++, Python, Java, NodeJS, Bash, LaTeX, SQL
- **Technologies:** Git, Linux, Vim, Emacs, Microsoft Office

## AWARDS

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- **National Merit Finalist:** Scored in the 99th percentile on the PSAT
- **University of Florida Dean’s List:** Herbert Wertheim College of Engineering (2021-2022)