

# Vedu Mallela

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Atlanta, GA

## Summary

Hard-working student interested in computer science and engineering. Strong background in research and development with experience working with leaders in academia. Dedicated to meeting deadlines and creating products that impact end-users and developers alike.

## Education

### Computer Science

Northview High School • Johns Creek, GA  
05/2021

Graduated with 4.1 GPA. Vice President at programming club. Computer Vision Programming lead at Varsity Robotics. Varsity Swimmer all four years.

### Microeconomics (Dual Enrolled)

Georgia State University • Atlanta, GA  
12/2020  
4.0 GPA

## Experience

### Research Intern

Harvard University Visual Computing Group • Cambridge, MA  
04/2021 - Present

Researching visual tree comparison for medical application. Working with scientists at Harvard Medical School and Harvard LSP. Developing tools for binary tree juxtaposition.

### Research Intern

MIT Computer Science & Artificial Intelligence Laboratory • Cambridge, MA  
08/2020 - Present

Created computer vision segmentation algorithms and software that help neuroscientists model brain structures and neurological pathologies. Developed BrainPainter at the Medical Computer Vision group and worked with neuroscientists from around the world to develop our application to cater their needs. Created a mouse brain visualization tool. First authored research paper detailing the work we did there.

### Research Intern

Stanford University Electrical Engineering Department • Stanford, CA  
08/2020 - Present

Develop an AI-based news application, targeting region-specific COVID-19 news, and integrate plug-ins for the Stanford Big Local News platform. Worked with Pulitzer prize winning journalist to develop news application centered around local news.

### Research Intern

Stanford University Compression Forum • Stanford, CA  
05/2020 - 08/2020

First authored Stanford-published paper on applying a region-specific query algorithm to create COverage, an AI-based news application. Attended Stanford lectures and learned from industry leaders such as Balaji Prabakha and Timnit Gebru. Wrote 90% of application codebase.

### Chairman

Fulton County Youth Commission • Atlanta, GA

08/2017 - Present  
Managed multiple community service projects and led over 50 members. Developed drug prevention application. Elected to chairman position unanimously. Led several talks at high schools throughout Fulton County. Worked closely with Fulton County Board of Commissioners to work on legislation.

**Intern**

Georgia State University Instructional • Atlanta, GA  
08/2019 - 05/2020

Worked on GSU's OIDC login portal code, using angular and NodeJS. Used AWS Lambda and other industry tools like Git. Saved server costs.

**Skills**

- 
- |              |                   |
|--------------|-------------------|
| • Python     | • Linux           |
| • JavaScript | • Computer Vision |
| • Node js    | • Docker          |

**Languages**

- 
- |           |           |
|-----------|-----------|
| • English | • Latin   |
| • Telugu  | • Spanish |