

Vedu Mallela

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Johns Creek, 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

Research visualization and imaging techniques for cancer tissue (CyCIF project). Work with faculty from Harvard Medical School and Engineering Schools.

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

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

Languages

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