

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

Georgia State University • Atlanta, GA
05/2025

Completing courses in computer science, mathematics and physics. Focusing on artificial intelligence and visualization specifically.

Experience

Machine Learning Engineer

GiwoTech • Santa Cruz, CA
10/2021 - Present

- GiwoTech is an AI startup that works on the intersection of AI and medicine. Our vision is to use AI to simulate the 3D structure and function from genetics.
- Working on a NeurIPS competition project for the single cell analysis competition. Working with the Jonsson Lab at UCSC.

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. Planning on submitting research to IEEE VIS 2022 conference.

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

Carnegie Mellon University School of Computer Science • Pittsburgh, PA
05/2021 - 07/2021

- Research intern at the Interactive Structures Lab, supervised by Professor Alexandra Ion.
- Built an emscripten bridge for backend/frontend communication. Worked closely with eigen c++ library and three.js visualization library.

Research Intern

Stanford University Electrical Engineering Department • Stanford, CA

08/2020 - 03/2021

- Developed 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.
- Gave talk to Stanford Electrical Engineering Faculty on our project.

Software Engineering 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

Skills

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

Languages

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