Adithya Chari

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Education

May 2021 | **Computer Science**, *University of Illinois at Urbana-Champaign*, 3.86.

Experience

Jun 2019 – Aug 2019 | **Gallagher Bassett**, *Solution Architecture Intern*.
Designed and developed an auditing application, including the initial architectural planning to the final implementation. The application was put into production and reduced audit times from over 3 weeks to 2 days. Encouraged and implemented a NoSQL database solution to improve application efficiency, and integrated with current relational databases. Worked with AWS and Azure and learned cloud technologies.

Jan 2019 – Jun 2019 | **ClassTranscribe**, *Web Developer*.
Worked with Professor Lawrence Angrave and his team and developed a university web application that automatically transcribes lecture videos for students with hearing disabilities. This system reduced human transcribing costs significantly, and is currently in use for several CS courses.

Dec 2018 – Jun 2019 | **Gies Labs**, *Undergraduate Research Assistant*.
Worked under Professor Robert Brunner and analyzed data related to the usage of AR/VR technologies in the classroom. This entailed developing and testing a VR application for 400 students, as well as creating demonstrations of this technology for an academic conference.

Aug 2018 – Present | **Campus Honors Program**, *Tech Administrator*.
Maintained and updated the honors admissions database, complied with university requirements, and upgraded the honors program website. Implemented a degree progress tracking system, as well as applications for admissions staff. Improved communication and response times between staff and student employees.

Projects

Aug 2019 – Present | **Illinois Solar Decathalon**, *Competitor*.
Competing in a Department of Energy competition to create a net-zero carbon emissions solar smart home. Designed the AWS infrastructure, mobile and web applications, and manipulated data from a variety of IoT devices. This data will be used to reduce energy cost and reach the carbon emissions goals of the competition.

May 2019 – Aug 2019 | **CS 233 Website**.
Designed and developed an updated website for the Computer Architecture course at UIUC. This was built on Jekyll and includes a Docker build process, and is currently in use by 400 students a semester, as well as the course staff.

Aug 2016 – May 2018 | **Network Design Team**, *Competitor*.
Designed and architected robust fictitious networks for two companies with a nationwide presence. The event provided a variety of company necessities, and we were responsible for designing a system that fulfilled all requirements at an optimal price. I competed in the event at the national level for two years in a row.

Aug 2016 – Aug 2018 | **Child's Voice**, *Volunteer*.
Built a web application in conjunction with a local private school for students with hearing disabilities. The application helped the children learn how to speak using their cochlear implants, and allowed the teachers to analyze data to observe student progress.

Dec 2016 – May 2017 | **Conant CS Website**.
Led a team of 20 students to develop a website and online resources for my high school computer science department. This website is currently in use, and is helpful for both the tutors and students taking CS courses, and includes resources for exam preparation.

Skills

Languages | C/C++, Java, Python, JavaScript/TypeScript, .NET Core, PHP, Android, Swift
Tools | AWS, Azure, Git, Linux/Bash, Angular, Docker, LaTeX
Clubs | Gnu/Linux User Group, Cybersecurity