Yushun Chen

yushunchen.com | oliver.chen@duke.edu | 608-590-3114 | LinkedIn | GitHub

EDUCATION

Duke University — Sep 2022 – May 2024
M.S. in Electrical and Computer Engineering — *Durham, NC*
- Concentration: Software Development

University of Wisconsin-Madison — Sep 2019 – May 2022
B.S. in Computer Science, Statistics, and Mathematics — *Madison, WI*
- College of Letters and Science Honors Program student
- GPA: 3.94/4.00, Distinction in majors, Dean's List (all semesters)

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, R, HTML/CSS, TypeScript, C, SQL, Bash
Frameworks: React.js, React Native, Android Studio, Three.js, Dialogflow, GraphQL, Node.js, Django, MongoDB
Container Orchestration: Ansible, Kubernetes, Docker

EXPERIENCE

Dell Technologies — Jun 2022 – Aug 2022
Software Engineering Intern - **Ansible, Kubernetes, Docker, React.js, Bash** — *Austin, TX*
- Configured and evaluated 4 open-source web-based UI (AWX, Semaphore, in-house UI, and Rundeck) for Ansible.
- Automated and simplified server management tasks such as creating, deploying, and initializing VMs.
- Directed a self-organizing team of 3 other interns and practiced Agile Scrum methodology with rotating Scrum Masters and bi-weekly sprints and documented the process using Jira, Confluence, and GitHub.
- Published two technical blogs on Dell Technologies Info Hub regarding the Ansible UI selection and an automated AWX installation guide which utilizes Ansible and resulted in a **96%** reduction of commands run.

Xunxiang Organization — May 2020 – Present
Technology Team Director - **React.js, HTML/CSS, Node.js, MongoDB** — *Online*
- Led the tech team of 3 to implement solutions that empower the operation and growth of the organization.
- Increased web traffic by **1000%** within 2 months and **20%** increase in net promoter score.
- Mentored 2 junior developers by supporting their personal growth.
- Collaborated with designers and product managers to develop full-stack web applications that enable members to exchange knowledge and share information.

Connected and Automated Vehicles Systems Group — Sep 2020 – Feb 2021
Undergraduate Research Assistant - **Python, ML** — *Madison, WI*
- Contributed to group's publication by conducting literature reviews for 20+ CAVH papers.
- Implemented and presented multiple CAVH systems of manual and automated vehicles including car following models, lane changing decisions, cost functions, platooning models, and other simulations.

PROJECTS

Xunxiang Official Website | *https://xunxiang.org/* — Sep 2020 – Jan 2021
- Developed the official website for the non-profit organization using HTML/CSS/JS and Bootstrap.
- Optimized website loading speed accordingly by using CDN, minimizing HTTP requests, compressing files, implementing asynchronous loading, and testing different deployment methods.

PointNinetyNine — Dec 2020 – Jun 2021
- Managed a team of 4 engineers to produce the MVP version of the online publishing platform.
- Integrated and customized Ant Design in React.js to accomplish designed graphics and user flow.
- Implemented GraphQL with Django and designed GraphQL queries and mutations to optimize CRUD operations.

Graphics Town | *https://blog.yushunchen.com/projects/graphics-town* — Jan 2022 – May 2022
- Constructed customized geometries, textures, and shaders to build a 3D graphics town using Three.js.
- Built 20+ 3D objects with complex behaviors to simulate a lively town.

AAlarm | *https://github.com/YushunChen/AAlarm* — Sep 2021 – Jan 2022
- Led a team of 3 engineers to develop an alarm app to stop procrastination and forgetfulness using Android Studio.
- Presented the project to an audience of 70+ professors and students.