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# Sikang Sun

Willing to Relocate  
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## EDUCATION

**Purdue University, Computer Science and Data Science Double Major BS** | Jul 2021 - Dec 2023  
West Lafayette, IN

- **GPA:** 3.95/4
- **Coursework:** Compilers, Software Testing, Algorithm Analysis, Artificial Intelligence, Time Series, Data Science Capstone Research
- On track for Software Engineering and Machine Intelligence

## EXPERIENCE

**Purdue University** Aug 2022 — Current  
Undergraduate Teaching Assistant On-Campus

- **Undergraduate Teaching Assistant** for Purdue University **CS 25200 Systems Programming** Spring Semester 2023
- **Undergraduate Teaching Assistant** for Purdue University **CS 25000 Computer Architecture** Fall Semester 2022
- Host office hours weekly for 1-on-1 student questions about lectures, lab, homework, exam, etc
- Prepare and set up weekly laboratory sessions, during which help and answer student questions
- Grade laboratory works, submit compiled scores, and periodically provide feedback on students' progress

**Purdue University** Dec 2022 — Jan 2023  
UTA Dev Pool Remote

- Format, compile, and **write homeworks and solutions** for **CS 18200 Discrete Math** Spring Semester 2023
- Organize **LaTeX** files and answers with **Overleaf** for use by staffs and students in the upcoming semesters

**VIP Solar Sail** Jan 2022 — May 2022  
Undergraduate Research Assistant On-Campus

- Undergraduate Research assistant for **NASA x Purdue Vertically Integrated Project, Solar Sail**, projected to launched to orbit in 2025
- Research and document **Raspberry Pi** camera module V2 functionalities and write script to conduct **topographical analysis**
- Develop frontend GUI and backend API in **Python** to communicate with specialized camera to capture images and record in space

**RippleMatch** Sep 2021 — Dec 2021  
Leadership Development Internship Remote

- **Leveraged various growth strategies** and tools including social media, email marketing, presentations, and peer and faculty member networking to grow the user base and awareness on campus
- Accumulated more than **a thousand new users** for the start-up, the most amount of completed sign-up in the intern program
- Created an **email parsing program** that stores, organizes, and keeps track of user profile and application status using **Java**

## PROJECTS

**Portfolio(2022)** - Personal portfolio website. Developed using **Svelte**, styled with **TailwindCSS**. Hosted with **GibHub Pages**

**MAP(2022)** - Led a team of Five to develop motivational-based web application that lets users self-reflect and keep track of their goals with **React** front-end. **Python/FastAP** Server, and **MySQL** Database. Compiled and submitted weekly team report to team coordinator.

**Compiler(2022)** - A small compiler that compiles a subset of the C syntax to assembly code, using **C**, **Lex**, **Yacc**, and **x86 Assembly**

**Insic(2022)** - A social media web app developed using **NextJS** and **Firestore** that utilizes Next's Incremental Static Regeneration feature

**Schdl(2021)** - A **crowd-sourcing website** that allows students submit, organize, and search for professors and TA office hours. Project uses **ReactJS** for front-end and **Node/Express** back-end with **MongoDB** as database

## SKILLS

**Languages** JavaScript, C/C++, Python, Java, SQL, R, LaTeX  
**Technologies** Svelte, React, Node/Express, MongoDB, Tailwind, Linux, Bash, GitHub

## AWARDS & HONORS

<b>Academics</b>	Dean's List and Semester Honors	2022
<b>Academics</b>	CollegeBoard AP Scholar of Distinction	2020 & 2021
<b>Music</b>	Clarinet Certificate of Merit Level 10; State Honors and Senior Award	2021

## PERSONAL

**Languages** Fluent in English and Chinese, knowledge in Latin  
**Interests** Web development, Reading, Writing, Music, Psychology/Philosophy, Esports