

Kevin Yu

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Skills

- **Languages:** JavaScript, TypeScript, Python, Svelte, Vue, HTML, CSS, SCSS, Java, Kotlin, C#, Haskell, Elixir, Go, and Rust
- **Frameworks:** React, Create React App, Vite, TailwindCSS, NextJS, NuxtJS, SvelteKit, and Actix Web
- Scientific computing with OpenCV, NumPy, and Matplotlib

Work Experience

Frontend developer, Campus Ventures LLC, West Lafayette, IN *Jan 2024 - present*
Developed Next.js application for student startup aggregating flight and airport shuttle data.

Intern, Stanford Geballe Laboratory for Advanced Materials, Palo Alto, CA *July - Aug. 2023*
Developed multithreaded image-processing algorithms to detect and classify graphene flakes in 20GB+ microscope scan datasets.

Projects

WATT *Aug. 2022 - June 2023*
Schedule app with LMS integration featuring alternate schedule parsing, club sign-in, and student ID barcodes used by 1300+ students. Built using Vite + React + Firebase (auth / functions / database).

Organizations

Purdue Capture the Flag Team (b01lers) *Aug. 2023 - present*
Participated in Capture The Flag cybersecurity competitions on the Purdue CTF team. Developed cybersecurity challenges for b01ler CTF. Achieved first place in iCTF 2023.

Gunn Robotics Team, Controls & Webmaster *Aug. 2021 - June 2023*
Programmed and wired robot control mechanisms for FIRST Robotics Competition team 192 (incl. visionless turret locking, internals ball storage, swerve drive control, automatic node alignment) over 430 out-of-school shop hours. Rebuilt organization website as webmaster.

United Computations Club, Vice President *Aug. 2021 - June 2023*
Coordinated club meetings and logistics. Presented on intro programming topics (bitwise, regex).

GunnHacks, Lead Organizer *Aug. 2020 - June 2023*
Organized event planning + outreach and ran activities / workshops for GunnHacks 7.0, 8.0, and 9.0. Created and maintained event website. Designed flyers and publicity materials.

Education

Purdue University, West Lafayette, IN *Aug. 2023 - Dec. 2025 (expected)*
First year student working towards a B.S in Computer Science Honors
GPA: 4.0

References available on request.