Victor Wong

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EDUCATION

Union College Schenectady, NY
Bachelor of Science in Computer Science *Expected Graduation: June 2028*
  – **Relevant Coursework**: Intro to Computer Science, Multivariable Calculus, Set Theory, Data Visualization
  – **Activities**: Goldman Sachs Possibilities Summit, Codepath Technical Interview Prep, freeCodeCamp, ICPC
  – **Certificates**: Colt Steele's Web Developer Bootcamp, ZTM's Data Science Bootcamp, VeritasAI Bootcamp

WORK EXPERIENCE

Undergraduate Researcher Oct 2024 – Present
Union College *Schenectady, NY*
  – Designed and launched the first website for Union College's CAP Lab with Next.js and Tailwind CSS, creating an online platform to showcase research and engage the academic community.
  – Conducted in-depth research on 10+ UI/UX studies, gesture-controlled interactions with MediaPipe, and user study frameworks, translating insights into design improvements that elevated site usability.
  – Collaborated in an 8-person team using GitHub and weekly reviews to align progress, earning faculty recognition for clear, polished design.

Software Engineering Intern Feb 2025 – Jun 2025
EpiBuild *Remote*
  – Built 3 interactive D3.js visualizations of 20,000+ woodworking sales records in JavaScript, cutting analysis time by approximately 20%.
  – Implemented user authentication with Passport.js and JavaScript, securing access to the dashboard and ensuring data privacy for all team members.
  – Partnered with a 3-person team to design the interface in Figma and deploy the app on Heroku, integrating Amazon S3 to manage 2GB of historical sales data.

PROJECTS

ShopNSplit | *JavaScript, HTML, Tailwind, React, PassportJS* [GitHub](#)
  – Built a full-stack application with TailwindCSS and React to automate group grocery splitting, enabling users to enter shared and individual items and instantly generate accurate cost breakdowns.
  – Constructed a responsive interface and implemented backend architecture to integrate Mistral AI for automated receipt scanning, demonstrating full-stack skills and focus on intelligent user experiences.

LifeCents | *JavaScript, HTML, CSS* [GitHub](#)
  – Launched a Chrome extension with JavaScript, HTML, and CSS to convert online prices into estimated work time, helping users make more informed spending decisions.
  – Implemented dynamic DOM scraping logic and a minimal interface to accurately detect and replace price elements across sites.

Spotify-Wrapped | *React, JavaScript, HTML, CSS, Node, D3* [GitHub](#)
  – Developed a React app with Node.js, D3, and Auth0 to build 10+ interactive visualizations of Spotify listening history, helping users explore top songs, artists, and activity trends.
  – Engineered Node.js APIs and integrated Auth0 authentication to deliver a compatibility scoring feature with dynamic visualizations, enabling secure, real-time comparisons of user listening data.

SKILLS

Programming Languages: Python, JavaScript, R
Databases: MongoDB, SQL, Postgres
Frameworks and Libraries: React, Next.js, Express.js, Node.js Tailwind, D3, Pandas, Matplotlib
Other Technical Skills: HTML, CSS, Git, Figma, Heroku, Auth0, Data Structures and Algorithms