

Purich Viwatkurkul

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EDUCATION

University of California, San Diego

BS, Mathematics - Computer Science

San Diego, California

Expected Grad. on June 2025

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C, C++, NoSQL (MongoDB), MySQL, HTML, CSS, Java, Git

Frameworks: Node.js, Express.js, Next.js, Sass, Tailwind, Bootstrap, Figma, Jest

Developer Tools: GitHub Actions, GitHub, VS Code, Eclipse, Jupyter Notebook, Vercel, Vim, Heroku

Libraries: pandas, NumPy, React.js, Puppeteer, NLTK, Seaborn, Scikit-learn

EXPERIENCE

Computing Support Tech — Computing Services

May 2023 – Present

UCSD - Extended Studies

San Diego, CA

- Managed and maintained **500+** devices using **Lansweeper** and **Hostmaint**, proactively identifying and resolving hardware issues to ensure uninterrupted operations.
- Installed, configured, and monitored server services and applications, leveraging tools to maintain a **99% up time** across mission-critical systems.
- Provided technical support to **50+** clients monthly via **ServiceNow**, resolving issues within an average of **24 hours** and achieving a **95% client satisfaction rate**.

Web Developer Intern

September 2024 – November 2024

Data Science Alliance - Nonprofit

San Diego, CA

- Reconstructed the organization's website using **HTML/CSS** and **JavaScript**, building **5** web pages and improving page load speed by **20%** while enhancing **mobile responsiveness** for an optimized user experience.
- Developed APIs from scratch and integrated **Stripe** and **Zapier** to automate payment processing and workflow management, while migrating code from **Webflow** to **Hostinger**.
- Spearheaded collaborative testing and project management efforts with a team of **4 interns** using **GitHub**, implementing version control best practices and resolving **100%** of reported issues within **2 week sprint** deadlines. <https://github.com/pviwatkurkul/DSA>

PROJECTS

Econauts — Project Lead and Full-Stack Developer

- Built a **full-stack** web application using **MongoDB**, **Express.js**, **React.js**, **Node.js**, and **Figma**, enabling users to track grocery items through bar code scanning and intuitive **CRUD** operations.
- Orchestrated a team of 5, coordinating tasks through **GitHub**, **Miro**, and **Jira**, while implementing **Agile** methodologies including sprint planning, daily stand-ups, and retrospectives. <https://github.com/pviwatkurkul/Econauts>

One and Done — Full-Stack

- Developed a personal **full-stack** web application for software developers to journal experiences and tasks using an intuitive file-folder system with **Markdown integration**, designing **Back-End APIs** with **LocalStorage** and a responsive front-end using **JavaScript**, **HTML/CSS**, and **Figma**.
- Automated deployment pipelines using **GitHub Actions** and ensured release reliability through comprehensive end-to-end testing with **Puppeteer** and **Jest**. <https://github.com/pviwatkurkul/One-and-Done>

LEADERSHIP

Project Development Lead — Association for Computing Machinery @ UCSD May 2024 - Present

- Directed** and **coordinated** multiple software engineering teams each quarter, mentoring **60+** participants through **agile development** practices and **MERN stack** projects, ensuring on-time project delivery and maintaining high-quality outcomes showcased to an audience of **100+** organization members and students.
- Enhanced and maintained the internal program website using **Next.js** and a custom API manager, improving usability and accessibility for over **200+** users per quarter and streamlining access to participant data and projects. <https://projects.acmucsd.com>