John "Jack" C. Davey
Full Stack Engineer

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SUMMARY

Experienced Full Stack Engineer with strong skills in React and Node.js. Specialize in user experience and accessible design, excelling in real-time interactive interfaces. Passionate about improving user experiences and committed to tackling technical challenges in fast-paced, autonomous settings.

EXPERIENCE

Relyion Energy | UI / UX Engineer   Oct '22 – Jul '23
- System Status Dashboard
  — Used ReactJS, ExpressJS, & MySQL to build a real-time web interface to display production system telemetry, including voltage, temperature, and 100+ other metrics
  — Configured with AWS Lambda, Firehose, & S3
  — Built multiple views, including a user-customizable dashboard with widgets, and admin display
- Website Rebuild & Revitalization
  — Redesigned & split existing website into two, less intimidating & clearer sites, for consumers and potential investors
  — Used NextJS, Firebase (auth and storage), & Tailwind for site components and enabling whitepaper access for authorized visitors
- Inventory Management Utility
  — Built a web application to streamline the indexing, sorting, and re-labelling of batteries and other system components
  — Uses built-in cameras or an external scanner to accept a wide range of code formats, and output a standardized label. Built with ReactJS & Tailwind.

Santa Clara University | Research Assistant   Jun '22 – Dec ' 22
- Asian-Black Alliance Interactive Website
  — Used Sanity CMS (with GraphQL APIs), NextJS, and React i18next to build an interactive website detailing the work and findings of the ABA research team, with support for 8 languages, and designed for simple, long-term upkeep by non-coding team members

EDUCATION

M.S. Engineering Mgmt. & Leadership | Santa Clara University   Sep '21 – Jun ' 23
- Human-Computer Interaction Technical Focus

B.S. Web Design & Computer Engineering | Santa Clara University   Sep '18 – Jun ' 22
- Technical Innovation, Design Thinking, & Entrepreneurial Mindset Minor
- Secretary; Theta Chi Fraternity

KEY SKILLS

- **Programming**: TypeScript; JavaScript; Swift; Python; HTML5/CSS3; C; PHP; SQL; Ruby
- **Tools & Framework**s: React; SwiftUI; Adobe Creative Cloud; Figma; SolidWorks;
- **Design**: Wireframing & Iterative Prototyping; User Research & Testing; HCI Principle Adherence
- **Soft Skills**: Professional writing & communication; Code clarity; Team leadership & collaboration

AWARDS

- Humanitarian Award | Santa Clara University   June 2022
- Ethics Award HM. | Santa Clara University   June 2022
- National Honors Society Member   June 2018
- Eagle Scout Rank | Boy Scouts of America   October 2017