Jack Carey

Software Engineer

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Professional summary

Versatile software engineer with hands-on experience developing dynamic web applications and integrating backend APIs for smooth data visualization. Demonstrates strong proficiency in JavaScript, Python, and React.js, with recent contributions to advancing user engagement on a renewable energy platform. Driven to apply technical expertise and a passion for AI to deliver impactful software solutions.

Employment history

Full Stack Developer, Oct 2025 - Present

TerraBid, Remote

- Develop interactive TerraBid platform for comparing renewable energy developers
- Build front-end interfaces and integrate backend APIs for seamless data visualization
- Conduct code reviews to identify and resolve issues, improving application performance
- Enhanced user experience by optimizing platform navigation, resulting in increased user engagement and retention.

Rental Assistant, May 2025 - Jul 2025

Lake Berryessa Boat and Jet Ski Rental, Napa, CA

- Operated **VquipOS rental management software** to streamline digital workflows for reservations, asset tracking, and real-time equipment monitoring.
- Managed and updated **customer and inventory databases**, maintaining data accuracy and system synchronization across multiple workstations.
- Leveraged VquipOS **reporting and analytics tools** to identify trends, improve resource allocation, and enhance operational efficiency.
- Diagnosed and resolved **software performance and connectivity issues**, collaborating with technical support to ensure system reliability.

Education

Bachelor of Science: Computer Science, Aug 2023 - May 2027

Duke University, Durham, NC

- GPA: 3.60/4.00
- Concentration: Artificial Intelligence and Machine Learning
- Minor: Theater Studies
- Relevant Courses: Linear Algebra & Applications, Advanced Multivariable Calculus, Probability, Discrete Math for Computation, Data Structures and Algorithms, Intro to Computer Systems, Intro to Applied Machine Learning, Information and the Internet, Computer Network Architecture, Machine Learning and Data Mining
- Activities: Pi Kappa Alpha Head Social Chair, Duke University Improv, Hoof 'n' Horn, Creator Lab
- Study Abroad: University of Sydney, Computer Science, Fall 2025

Skills

Python, Java, JavaScript, C#, HTML, CSS, JSON, React.js, Laravel, Node.js, PostgreSQL, MongoDB, PyTorch, Tensorflow.