

# Jackson Vondemkamp

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## EDUCATION

<b>University of Colorado, Boulder</b> <i>Bachelor of Science in Computer Science, Minor in Engineering Entrepreneurship</i>	Aug 2023 – May 2027 Boulder, CO
<b>Relevant Coursework</b>   Software Dev Methods and Tools, Intro to AI, Machine Learning Algorithms, Data Structures, Database Systems, Computer Systems	

## TECHNICAL SKILLS

**Languages:** Python, JavaScript/TypeScript, C/C++, SQL  
**Frameworks:** React / React Native, Node.js / Express, Next.js, Tailwind CSS, Handlebars, Bootstrap  
**Cloud/DevOps:** AWS (S3/CloudFront), Docker, Git/GitHub, GitHub Actions (CI/CD), Vercel/Netlify  
**Data/DB:** PostgreSQL, Supabase, MySQL

## WORK EXPERIENCE

<b>Business Assistant (Technology Focus)</b> <i>Red Light Therapy Studio</i>	May 2025 – Sep 2025 Stanwood, WA
<ul style="list-style-type: none"><li>Built a self-service booking and check-in system that expanded availability from 10 hr/day → 24/7 with only ~2 hr/day staffed coverage and cut no-shows 12% → 5% via automated reminders.</li><li>Reworked the booking pipeline (QR onboarding, reminder cadence) and formalized a no-show policy, which correlated with +120% growth in active clients during my tenure and shifted usage toward self-service.</li></ul>	

## PROJECTS

<b>Festivalify</b>   <i>React Native, Supabase, Google Cloud Vision, OpenAI API, Spotify API</i>	May 2025 – Present
<ul style="list-style-type: none"><li>Piloted a mobile app that produces personalized festival schedules by resolving artist conflicts from scanned lineups</li><li>Introduced scheduling, notifications, and navigation features, releasing to early users in a beta launch phase.</li></ul>	
<b>YumBoard</b>   <i>AWS S3, Node.js, PostgreSQL, Docker, Handlebars, Bootstrap</i>	Feb 2025 – May 2025
<ul style="list-style-type: none"><li>Built a full-stack recipe sharing platform with 4-person team emphasizing agile methodology.</li><li>Leveraged technologies such as AWS S3, implementing scalable asset storage that reduced loading times by 40% when compared to local storage systems.</li></ul>	
<b>Personal Portfolio</b>   <i>React, Next.js, Netlify, JavaScript, Tailwind CSS</i>	Dec 2024 – Jan 2025
<ul style="list-style-type: none"><li>Designed and developed a responsive personal portfolio showcasing my resume, projects, and technical skills with an interactive user experience.</li><li>Optimized website performance by 20% using image and video compression, without any quality drawbacks.</li></ul>	
<b>Memory Allocator</b>   <i>C, Git</i>	Oct 2024 – Nov 2024
<ul style="list-style-type: none"><li>Engineered a memory allocator for C programs using a red-black tree-based dynamic storage allocation technique, significantly improving allocation and deallocation speed with O(log n) time complexity.</li><li>Achieved a 30x performance improvement in memory management, minimizing fragmentation and optimizing allocation times for large datasets.</li></ul>	

## CERTIFICATES

- Google UX Design Professional Certificate** – ETA Dec 2025  
**Google Product Management: Professional Certificate** – ETA Jan 2026  
**Databricks Generative AI Fundamentals**

## LEADERSHIP & COMMUNITY DEVELOPMENT

<b>Executive Board</b> <i>Alpha Tau Omega</i>	Dec 2024 – Present Boulder, CO
<ul style="list-style-type: none"><li>Co-led with organizing a 24-hour Veterans Day philanthropy event, successfully raising \$3,425 and benefiting Salute Colorado in support of local veterans.</li></ul>	