

Nick Carney

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WORK EXPERIENCE

Mesa

Full-Stack Software Engineer

Sep 2024 – Present

Full Time, Remote

- Architected and built a Typescript Next.js app for musicians and their teams to generate contracts, edit with a music chatbot, and pay to have them sent to all collaborators for e-sign. Enabled generation and sending of contracts for e-sign in under 5 minutes and \$5, compared to weeks and up to thousands of dollars with traditional legal services.
- Integrated Stripe, jspdf, resend, zustand, and internal APIs to provide an enhanced and smooth experience for the user.
- Developed AI-driven clause suggestions using OpenAI, allowing for endless customizations for the user.

Tradeloop Corporation

Jan 2024 – Present

Part Time, Remote

Developer

- Helped design, implement, and test an API for ISO 20435-compliant Digital Product Passports (DPPs) as part of CIRPASS-2's lighthouse PB4 OBADA pilot.
- Collaborated on a project to apply blockchain technology to track solar panels that were sent to global colleagues to be reused. Presented findings to stakeholders, demonstrating the impact of blockchain technology on sustainability which helped earn part of a \$235,000 MA DEP grant award.
- Tested and integrated internal APIs to enhance the functionality of AI and blockchain applications.

ADDITIONAL EXPERIENCE

Blockchain Analyst Intern, Good Point Recycling

Jun–Aug 2023 | Middlebury, VT

- Worked with early-stage blockchain tech (OBADA) to support e-waste reuse tracking.
- Installed and tested validator nodes in a Linux (Ubuntu) environment.

Conditional Logic Developer Intern, Revolution Youth

Jun–Aug 2022 | Burlington, VT

- Built automated web-based forms for youth services using tools like Zapier.

Intramural Sports Supervisor, University of Vermont

May 2022–Dec 2023 | Burlington, VT

- Managed referees, participant check-ins, equipment setup, and ensured smooth, safe operations.

EDUCATION

The University Of Vermont

Aug. 2020 – May 2024

Burlington, VT

Bachelors of Science degree in Computer Science, minor in Mathematics

- 3.31/4 GPA, Club Soccer (4 years), UVM Chess Club Co-Founder, Outdoor Experience Leader

SKILLS

Languages: Python, JavaScript, TypeScript, SQL

Frontend: React, Next.js, Tailwind, HTML/CSS

Backend: Node.js, REST APIs, FastAPI, Postman

Data & ML: Pandas, NumPy, Scikit-learn

Databases & Cloud: SQL Server, PostgreSQL, Supabase (Auth/Storage), Azure Functions, Azure Container Apps

DevOps & Tools: Docker, Git, GitHub Actions, Pytest, CI/CD, Dockerized deployments

LLMs & RAG: LLMs, Embeddings, Vector Databases (Pinecone/Supabase), RAG, Chatbot/Agent Integration