

RUSSELL PASETES

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EXPERIENCE

Celestial Decks, Brooklyn, NY - *Full Stack Engineer* October 2025

- Cut initial page load time from ~6 seconds to under 500ms by profiling bottlenecks in a PhaserJS game engine codebase and restructuring asset delivery, dependency loading, and route initialization.
- Implemented lazy loading, bundle splitting, and targeted preconnects to external resources, eliminating render-blocking network requests and smoothing the onboarding flow for first-time users.
- Reduced time-to-interactive across the splash and game pages by rebalancing module dependencies and removing unnecessary client-side work, resulting in a visibly faster user path through the game.

Data Management Resources, Tamuning, GU - *Full Stack Engineer* March 2023 - September 2023

- Replaced legacy green-screen workflows for Guam government agencies with browser-based apps built in Next.js and Express, owning the path from initial design through deployment.
- Implemented basic security and reliability practices for self-hosted servers (backups, access controls, and monitoring) to keep government web apps stable in production

Hypotenuse Labs, San Diego, CA - *Full Stack Engineer* March 2021 - June 2021

- Implemented demo-ready features for the secondhand luxury marketplace that the team used in investor presentations during a key fundraising push.
- Communicated technical decisions with project client, UI/UX designers, and product managers regarding product design, system analyses, and software maintenance; recovering months of technical debt.

Bridge Seven Music Productions, Boston, MA - *Founder* July 2019 - March 2020

- Ran user tests and design sprints with a Berklee College of Music production team to iterate on a social cloud application suited for the commercial record industry.
- Coordinated a team of engineers to develop a React Native + AWS file-sharing desktop application.

ConcertCue, MIT, Cambridge, MA - *Undergraduate Researcher* June 2019 - August 2019

- Deployed mobile web app streaming interactive concert program notes at the Boston Symphony Orchestra

TECHNICAL SKILLS

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- AI: Claude Code, Cursor, OpenAI SDK
 - Stack: React, Typescript, NextJS, Tailwind, Bun, Vite, Node.js, Express
 - Infra: Supabase, PostgreSQL, BetterAuth, Vercel

EDUCATION

Fractal Tech Brooklyn, NY

Software Engineering Fellowship (full-time, ~700+ hours; six-day weeks) September 2025

Portal Campus Porto, PO

Independent research project framing oral culture as a lens to analyze how people adopt & trust LLMs July 2024

Massachusetts Institute of Technology Cambridge, MA

Bachelor of Science in Computer Science and Engineering, Bachelor of Science in Music May 2020