

# Jack Wyatt Jebef

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## GOALS

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Early career professional seeking a junior developer role with a team that values interdisciplinary collaboration, ownership, and impact. Interests: low-level software architecture, audio/visual tools, real-time graphics simulation, product design and management.

## SKILLS

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**Languages:** JS/TS, CSS, HTML, C++, GLSL, Max, C, Python

**Tools/Frameworks:** React, OpenGL, CMake, Figma, Blender, Aseprite, Ableton

## EDUCATION

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### University of California, Berkeley

*B.S. Electrical Engineering and Computer Sciences*

*May 2024*

- **Selected Coursework:** CS 170: Efficient Algorithms and Intractable Problems, CS 162: Operating Systems and Systems Programming, CS 161: Computer Security, C 191: Intro to Quantum Computing, CS 188: Intro to Artificial Intelligence, MUSIC 107: Independent Projects in Computer Music

## PROJECTS

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### Crater

*React, JS/TS, CSS, MusicBrainz API, Supabase, Blender, Aseprite*

*Fall 2025*

- Designed, built, and deployed a free web app where users can create and share digital music grams known as “crates”
- Leveraged MusicBrainz API to provide rich music metadata - custom search and data visualizations
- Accountless design, sharing enabled with URL appending keys

### Lone Palm Island

*OpenGL, GLSL, Blender, CMake, C++*

*Spring 2025*

- Engineered a bespoke 3D demo - custom assets, rendering pipeline, and water shader
- Employed advanced graphical techniques - geometry shaders and independent framebuffers - to render dynamic water textures and correct unwanted artifacts
- Professional cross-platform build system with CMake

## WORK EXPERIENCE

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### Freelance Web Development

*Fullstack Engineer*

*Fall 2024 - Present*

- Build assets, components, and complete sites catered to the client’s vision
- Leverage a dependency-light stack to ensure product longevity

### Boom City Builders

*Lead Carpenter*

*Winter 2024 - Present*

- Specialize in home renovations and remodels
- **Hard Skills:** exterior/interior finish carpentry, structural framing, drywall, door/window installation, demo, handyman services, design consulting, general labor