

Ross Thomas Mabbett

Software Engineer

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[Portfolio](#)

[LinkedIn](#)

[Github](#)

EXPERIENCE

Participant

Recurse Center, January 2025 – April 2025

[Site](#)

- Collaborate and study Rust, shaders, ML, p5.js and more at a self-directed, peer learning retreat.
- Employ data driven design principles to prototype a multiplayer browser-based game, built on ECS backend.
- Experiment with CV, robotics, 3d printing, IOT, and projection mapping alongside masters of these crafts.
- Pair with over 40 Recursers, each from a unique professional path, to gain an exponentially broader perspective.

Software Engineer

Preset, October 2023 – October 2024

[Site](#) | [Superset Github](#)

- Harmonise with a 12 engineer team following scrum rituals of daily standups, retros, PM tickets etc.
- Contribute and collaborate on PRs and improvement proposals to the Apache Superset open-source project.
- Implement a context dependent UI for Snowflake integration requested by FANG clientele.
- Create UI components for a sweeping redesign of the integral reports feature, impacting all users.
- Research libraries and implement changes to drag and drop UI features with guidance from a product design team.
- Refactor or compose new unit tests for React component behaviors using RTL and Enzyme with occasional Python tests.

Web Developer

Art in Odd Places, July 2023 – Current

[Live Site](#)

- Develop numerous full stack, bespoke, and intuitive web presences with a focus on inclusivity and accessibility.
- Investigate opportunities to update legacy code within the latest stable CMS deployment.
- Formalize a process of record creation in MySQL via plugins, suitable for non-technical users.
- Interpret Figma design documents to sculpt responsive pages in a custom WP theme for maximal site traffic.
- Consult with the curatorial and design teams to flesh out MVPs according to client vision.

Web Development Consultant

BIPOC Coach Collective, April 2024 – October 2024

- Advise on options to streamline the subscriptions system, cutting 6 wasteful net-loss products.
- Assemble strategic automations to update over 200 recurring customer subscriptions dynamically.
- Build email marketing campaigns to target active subsets of the customer base.
- Rehabilitate the CMS indexing and column definitions intuitively for maintenance by non-programmer staff.
- Explore custom integration methods for external backend data hosting via Airtable.

PROJECTS

Serpent QROssing

[Github](#)

QR and CV based multiplayer webgame using TS, Koota, p5, vite, Docker, disco, jsqr

- Hack a js based CV module to read multiple simultaneous QRs from a single input camera.
- Build the mechanics in an ECS with agnostic rendering and control capabilities making it infinitely extensible.

Sublimus

[Live Site](#) | [Github](#)

A criterion.com clone using Rails, PostgreSQL, React / Redux, Stripe, HTML5, SCSS, Jbuilder

- Constructed full CRUD shopping cart functionality with RESTful APIs in Rails.
- Configured full Stripe integration with secure API keys for fully functional checkout capabilities.

EDUCATION

App Academy - Immersive software development course focused on full stack development (2022-2023)

Codecademy - Certifications for Python and Shell Scripting (2021)

Coursera - Rice University Python courses (2020)

Rutgers University - BFA New Media/Creative Tech (2007)