

MAX ANTON BREWER

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Entrepreneur, designer and full-stack software engineer.

EXPERIENCE

Senior Software Engineer **Dryad Systems** **2022-Present**

Dryad Systems is the company behind Sparklpaint, a fast and user-friendly app for image synthesis.

- Delivered a fully-featured progressive web app in <60 days using React hooks, reducers and context
- Achieved 1.0s time to interactive by automating image optimization, optimistic UI and intelligent caching
- Designed brand identity, product UX, graphics and typography

Software Engineer **Mobilecoin** **2021-2022**

Mobilecoin is a secure, fast and environmentally friendly cryptocurrency integrated with Signal secure messenger. The Forest team maintains a Python library for payment-enabled chatbots on Signal.

- Advanced bots from conversational AI level 1 to level 2 by contributing to open-source Forest bot platform
- Evaluated technical options by red-teaming language models including Rasa, Dialogflow, GPT-3, and Jurassic-1
- Grew adoption among external developers by 30% by porting the Personate framework from Discord to Signal

Founder **Organic Books** **2018-2022**

Organic Books is a independent bookstore in Albuquerque.

- Co-founded a successful brick-and-mortar bookstore by leading executive and technical decisions
- Created brand identity from scratch by designing name, logo, store interior, typography and merchandise
- Increased organic click-throughs from Google by 300% by optimizing SEO with static-generated React site
- Grew revenue 20% year over year by curating book selection with web scraping and data analysis in Python

Permaculturist **Intentional Communities** **2012-2018**

Worked and lived in off-grid communities, designing and building sustainable infrastructure.

- Took responsibility for key life-support systems including solar and hydroelectric power
- Coordinated and mentored hundreds of community volunteers in ecological design and sustainability projects

PROJECTS

The Mirror of Language **2022**

Commissioned by the magazine *Return* to write about [prompt engineering as a form of magic](#)

Memery **2021**

Invented the local-first [neural image search engine](#)

- Open-source project with over 100 stars on Github
- Written as a literate program using nbdev from fast.ai
- Early adopter of deep learning embeddings from OpenAI's CLIP
- Index 1000 images in 30 seconds, search them in less than 0.1

SKILLS

- Frontend: React, Typescript, Javascript, HTML, CSS
- Backend: Python, Node, Docker, CI/CD
- Data: PyTorch, Pandas, spaCy, prompt engineering