Tom Betthauser

Full-Stack Software Engineer

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Yale University, MFA 2012
https://www.linkedin.com/in/tombetthauser
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I primarily work with: Python, JavaScript, React, Redux, NodeJS, Express, Flask, PostgreSQL, Heroku and Bash
Additional experience with: Rust, Lua, Ruby / Rails, Docker, MongoDB, Selenium, AWS and D3.js

Work / Development Experience

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Recurse Center / Fall Batch (https://www.recurse.com)

September – December 2022
> worked on implementing Stable Diffusion from scratch with the Python standard library and Rust
> continued development on a React-based image-processing tool for visual artists using Bash, Rust and WebAssembly
> worked on a proof of concept GPT-3 / Stable Diffusion application as a startup pitch for an OpenAI grant

Lead Module Instructor / Full-Stack Developer

App Academy | April 2020 – August 2022
> developed and maintained software tools built with React, NodeJS, Flask, Bash, and PostgreSQL
> lead instructor for React / Flask / Express / PostgreSQL application development and Heroku deployment
> managed team of 4-6 fullstack instructors / developers and mentored hundreds of software students

Adjunct Professor / Visiting Lecturer

College of Marin / West Valley College / Cerro Coso College / UC San Diego / San Jose State University
January 2013 – May 2019
> in addition to art / art history courses taught frontend development for student portfolios as part of visual art curriculum
> lectured in-person art history classes that regularly exceeded 100 students and ran in-person studio courses of 30-50 students
> acted as director and webmaster for on-campus gallery managing staff of 3-15 assistants and organizing 20+ exhibitions

Personal Software Projects

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Astronaut Horse / Stable Diffusion Artist Collaborations

> generative image models developed through Stable Diffusion textual inversion training
> models trained in collaboration with visual artists to produce non-imitative models intended for co-working
> https://www.astronaut.horse

ZineBot / Web Assembly Image Magick Tool

> takes images of various sizes / filetypes etc as input and outputs printable formatted zine files
> https://tombetthauser.github.io/wasm-zinebot

Other Projects:

> https://www.sotasurvey.org
> https://pagegarden.herokuapp.com