Tom Betthauser
Software Engineer

https://www.tombetthauser.com
tombetthauser@gmail.com

Experience working with Python, JavaScript, React / Redux, NodeJS, Express, Flask, Ruby on Rails, PostgreSQL, SQLite, MongoDB, Docker, Heroku, Selenium, D3.js, jQuery, Bash, Pytest, RSpec, Jasmine, MochaJS and more

Work History

Software Engineer / Instructional Team Lead

App Academy – June 2020 to present

- **Managing a team of 3-5 developers** with weekly software tool deployment, instructional deadlines and daily tasks
- Instructing groups of **50-125 junior software engineers i**n development of **full-stack React applications**
- Developing and maintaining **internal tools** written in **Python** and **NodeJS** interfacing with our **Rails API**
- Designing and developing deployed **fullstack applications React / Redux, Express** and **Flask** for new developer instruction

Adjunct Professor / Visiting Lecturer

Numerous Colleges & Universities – Jan 2013 to May 2020

- Lectured on basic **frontend development** for student portfolio sites as part of studio art and art history courses at numerous colleges / universities throughout California including **College of Marin**, **West Valley College**, **Cerro Coso College**, **Bakersfield College** and **UC San Diego**
- Mentored and managed classes of **30-150 students** in both lecture and lab instruction environments
- Acted as **webmaster** for an on-campus gallery creating and continually updating a frontend site

Ongoing Projects

State of the Arts Survey – *https://www.sotasurvey.org*

Data Visualizations & Data Exploration Tool for Arts Survey

- An ongoing survey and data visualization project started in 2019
- 80+ dynamically generated **data visualizations** using the **D3.js** library from **100+ beta survey participants** in conjunction with a custom-built **Selenium webscraper**
- Additionally built custom python-based **desktop application** tool for exploring raw data and a custom in-browser **data cross-referencing tool / interface**

Page Garden – *https://page.garden*

React / Flask Image-Sharing Web Application

- Functional **full-stack web application** built using **React / Redux**, **Flask**, **PostgreSQL** and deployed via **Heroku**
- Interfaces with an **AWS S3** bucket for user-uploaded image storage and access

Check out my other ongoing projects at *https://tombetthauser.com*

Education

Yale University – *MFA 2012*　|　**San Francisco Art Institute** – *BFA 2010*