Max Krieger

max@a9.io
portfolio: a9.io
github: @maxkrieger

Experience

MANA - Design Engineer
Spring 2022 - Spring 2023 | San Francisco
Designed and implemented research systems and user-facing products for an early-stage AI product.

Freelance - Rapid Prototyper
Fall 2021 - Spring 2023 | San Francisco
Designed and implemented interfaces for consumer and research startups.

Protocol Labs - Associate Research Program Manager
Summer 2021 | Remote
Researched and designed funding and roadmapping structures for the in-house research management team in an apprenticeship role.

Reduct - Software Engineering Intern
Summer 2020 | Remote
Prototyped interfaces and machine learning models that were later merged into the core product.

CMU Penrose Group - Researcher
Fall 2018 - Spring 2022 | Pittsburgh
Built the end-user experience for the Penrose project, which renders abstract mathematical concepts with intuitive visualizations.

Flexibits - Software Engineering Intern
Summer - Winter 2018 | Remote
Developed and deployed scalable services to users of Fantastical, an award-winning, top-ranked iOS and Mac app.

Formlabs - Web Engineering Intern
Summer 2017 | Somerville
Developed and designed internal and user-facing projects for the global 3D printing market.

Education

Carnegie Mellon University
2018 - 2021
BSc. Cognitive Science
Minor in Computer Science.
Dean's List with High Honors.

Publications

Penrose: from mathematical notation to beautiful diagrams
Katherine Ye, Wode Ni, **Max Krieger,** Dor Ma'ayan, Jenna Wise, Jonathan Aldrich, Joshua Sunshine, Keenan Crane
ACM Transactions on Graphics / SIGGRAPH '20

Chatting with glue: cognitive tools for augmented conversation
Max Krieger
Convivial Computing Salon (workshop at <Programming>) '20

Defining Visual Narratives for Mathematics Declaratively
Max Krieger, Wode Ni, Joshua Sunshine
PLATEAU (workshop at UIST) '19

Skills

User Interface
React, Figma, Flutter, Three.js/three-fiber

Backend
Django, Express, Next.js, PostgreSQL, Docker/Kubernetes

Languages
Typescript, Python, Go, OCaml

Projects

Apps, tools, experiments can be found at a9.io