Max Krieger

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

Experience

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

Reduct - Software Engineering Intern
Summer 2020 | Remote | reduct.video
Prototyped interfaces and machine learning models for the core product.

CMU Penrose Group - Researcher
Fall 2018 - Present | Pittsburgh | penrose.ink
Defining the end-user experience for the Penrose project, which renders abstract mathematical concepts with intuitive visualizations.

Flexibits - Software Engineering Intern
Summer - Winter 2018 | Remote | flexibits.com
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 | formlabs.com
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
Figma, Typescript, Flutter, React.js, Redux

Backend
Django, Express, Go, Python, Kotlin, Docker, Kubernetes, Terraform, AWS, GCP

Functional and Formal
OCaml/ReasonML, Elm, Haskell