Max Krieger

Boston, MA
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portfolio: a9.io
github: @maxkrieger

EXPERIENCE

CMU Penrose Group - Researcher
Fall 2018 - Present | Pittsburgh | penrose.ink
Developing a robust end-user experience for the Penrose project, which aims to render abstract mathematical concepts with intuitive visualizations.

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

MIT CoCoSci Group - Researcher
Summer - Fall 2017 | Cambridge | cocosci.mit.edu
Conducted original research on program synthesis using techniques derived from human-inspired cognitive science and machine learning.

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

PROJECTS

Semantic Calculator
Launched August 2018 | semantic.a9.io
Created a tool for exploring how word embeddings relate to each other through an interactive REPL interface. Experimented with interfaces that facilitate understanding of machine learning models.

LiquidTime
Launched October 2016 | liquidti.me
Designed and developed a novel time management and planning app to help fight procrastination. Featured on the front page of Hacker News and Product Hunt and has logged hundreds of hours of users' productivity every month.

EDUCATION

Carnegie Mellon University
2018 - 2022 (expected)
BSc. Cognitive Science
Selected as a Dietrich college scholar.

Needham High School
2014 - 2018
Robotics Team - Captain of an award-winning 30+ member team competing in a national competition run by FIRST.
Linguistics Club - Captain & Founder. Taught 10+ members fundamental concepts of human language, and trained for the North American Computational Linguistics Olympiad.

SKILLS

Design
Sketch 3, Figma, Adobe Creative Suite, Blender

Languages
Javascript (ES7), Typescript, CSS3/SASS, Python, Java, Kotlin, Go, OCaml/ReasonML, Elm, Haskell

Tools
GNU/Linux, ROS, Git, React.js/Native, Redux, Electron, PostgreSQL, Redis, MongoDB, Django/Express, Webpack, Bootstrap, Node.js/npm, Docker, Kubernetes, Numpy

Principles
UX & HCI, Virtual Reality Design, Responsive Design, Agile/Scrum projects, Functional Programming, Object Oriented Programming, Open Source Contributions