

Linus Lee

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Experience

Independent Research
12.2021 - Present

- › Designed and prototyped AI interfaces for automatic summarization, keyword highlighting, and visualizing knowledge graphs.
- › Developed and deployed multiple web services powered by large language models and transformer-based semantic search, > 50,000 visits to date. (thisaidoesnotexist.com, ycvibecheck.com)

Ideaflow
02.2021 - 12.2021

Product Engineer

- › Developed key features like search, linked notes, and onboarding experiences on top of a ProseMirror-based rich text editor with a focus on performance and accessibility.

Ideaflow
Summer 2020

Software Engineering Intern

- › Designed and implemented a browser extension to annotate text on static and dynamic webpages against a remote database of news headlines.

Repl.it (YC W18)
Summer 2019

Software Engineering Intern

- › Implemented a Git and GitHub integration with Repl.it's container-based online IDE working in React/Redux, Next.js, HTML/CSS and communicating with protobufs to a Go backend.
- › Proposed and implemented an IDE-wide keyboard shortcut system with a pluggable interface.

Spensa
06.2016 - 03.2018

Associate Software Engineer

- › Worked full stack in a Django and Backbone.js application delivering data-driven predictive insights to farm operators and advisors from a variety of data sources.
- › Reduced app load time by 50-75%, memory footprint by up to 90% through performance optimizations, custom framework rewrites, and integration of new web platform features.
- › Built and maintained front-end build pipeline and testing framework of the company's core web product.

Notable Projects

400k words written
120 side projects
1.5M visits & downloads

Ink
dotink.co

A Programming Language, Interpreter, and Compiler

- › A new functional language designed and built from scratch, including an interpreter written in Go and a self-hosting, optimizing compiler to JavaScript.
- › Lexical scanner and recursive descent parser in Go, static analyzer and code generator in Ink itself. Self-hosting syntax highlighter and code formatter.
- › 15k lines of Ink code running in public across many projects today.

Torus
linus.zone/torus

Javascript UI Framework

- › Declarative UI framework for JavaScript inspired by React and Polymer, with a novel API design.
- › Implements a fast virtual DOM and custom parser for subsets of HTML and SCSS. Running in production handling 1M+ visits to date

Education

UC Berkeley
08.2018 - On Leave

B.A. Computer Science

- › Investment Partner at [Dorm Room Fund](#), a student-run venture fund backed by First Round Capital.
- › Director at [Cal Hacks](#), collegiate hackathon and idea accelerator program.
- › Part of [Accel Scholars](#), Accel's program for undergraduates in engineering and computer science at UC Berkeley.

Skills

React
Javascript
TypeScript

Go
Python
Django

SQL
Node.js
WebSockets

Linux
UI/UX, CSS
NLP