

# Linus Lee

linus@theseephist.com  
theseephist.com  
github.com/theseephist  
(510) 944-9601

## Notable Projects

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

**Ink**  
[dotink.co](https://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](https://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

**Traceur**  
[linus.zone/traceur](https://linus.zone/traceur)

### Path Tracer and 3D Renderer

- › Path tracer written in Ink (noted above) and JavaScript.
- › Renders spheres, background lighting, soft shadows, refraction, reflection, a camera with 6DOF, focus blur. The Ink implementation also contains a bitmap image format encoder.

## Experience

**Ideaflow**  
02.2021 - Present

### 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.

## Education

**UC Berkeley**  
08.2018 - 05.2022

### B.A. Computer Science, GPA: 3.7

- › 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  
Pyhon  
Django

SQL  
Node.js  
WebSockets