

Jacob Carlson

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Education

University of Richmond, Richmond, VA August 2019—present
BS in Computer Science with a Minor in Linguistics

- Relevant coursework: Algorithms, Data Structures, Software Development, Human-Computer Interaction, Database Systems, Discrete Structures, Computer Architecture

About Me

- **Technical Skills:** JavaScript, Python, Java, SQL, HTML, CSS, Wordpress, PowerBI, Excel
- **Experience:** Built 3 web apps, proficient with 15-20 AWS cloud computing resources
- **Interests:** product design, blockchain, decentralized finance, marketing, photography

Work Experience

HopDrive, Richmond, VA May—June 2022
Software Engineering Intern

- Worked in a team of 5 full-stack developers at an early-stage startup (Series A), based out of an incubator called Startup Virginia
- Wrote code in React, with exposure to MUI, Netlify, GraphQL, Hasura, Postgres, and Auth0
- Designed and implemented a high-level dashboard for admin users to view and analyze key stats about the company

Projects

Current project: kilokarma.com 2021—present

- E-commerce app that lets consumers decide the prices of retail goods
- Built an MVP and I'm currently collecting feedback from users

Open-source tools for blockchain project 2020—present

- pumpeos.com - built popular tools for a cryptocurrency project called Prospectors.io, which is an economic strategy game built on the EOS blockchain protocol
- The site uses deterministic formulas to calculate things like Euclidean distance, and has 1,000 unique visitors per month

Designed and developed successful automated trading strategies 2018—2019

- Wrote algorithms and executed backtests in Python on the quantitative finance platform Quantopian
- Shared academic research on quantitative analysis of stock prices ([link](#))

Teaching about subjects I'm passionate about 2018—present

- Collaborated with a Barcelona-based Youtuber to explain cryptocurrency concepts to Spanish speakers, who represent a fast-growing demographic in the crypto sphere ([link](#))
- Occasionally I write editorials on Medium (published in: Geek Culture, ILLUMINATION) to explain relevant yet complex technical concepts using real-world analogies ([link](#))