# Cole **Killian**

RESEARCHER · SOFTWARE ARCHITECT · SOFTWARE DEVELOPER

*SF, CA*

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## Software Skills

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|---|---|
| **Programming** | Rust, Go, Node, Javascript, React, Python, Solidity, Bash, LaTeX, Java, C++ |
| **Tools/Services** | Cosmwasm, GCP, Firestore, Docker, Kubernetes, Terraform, Stripe |

## Selected Experience (See All)

### Jump Crypto                                               *Chicago*
SOFTWARE ENGINEER INTERN                                      *June. 2022 - August. 2022*
- Built crypto trading systems.

### Glow Savings                                              *Remote - Bay Area, NYC*
FOUNDING ENGINEER AND PRODUCT LEAD                            *Oct. 2021 - May. 2022*
- Glow Savings is a defi prize-linked savings account that combines the best elements of a regular savings account and prizes to make saving effective, fun, and potentially life-changing. It offers an effective APY of 20%, and distributes 1000 prizes up to $1M+ to its depositors for free once per week.
- Reached **$1.5 million** in deposits and launched token with FDV of **$100 million**.
- Coded smart contracts, was promoted to lead product, designed Glow Savings V2, wrote up the Glow Savings vision.

### Lunar Assistant                                           *Remote - Bay Area, NYC*
CO-FOUNDER                                                    *Sept. 2021 - Mar. 2022*
- Lunar Assistant is a Discord bot that helps with the community management of NFT communities on the Terra blockchain. Enables setting up NFT community voting, private channels for those with certain types of NFTs, and public whitelists for mints. Live in **75+** Discord servers with **15,000+** users.
- All things building and product. Wrote up the lunar assistant guide.

### Perkify                                                   *Bay Area*
CO-FOUNDER                                                    *July. 2021 - Sept. 2022*
- A b2b saas that makes it easy for businesses to offer subscription services like Spotify, Netflix, etc to their employees as a company benefit. Helps businesses with hiring, employee satisfaction, and employee retention at a low cost.
- Coded the backend for managing business stripe subscriptions and perk groups (Nodejs, Express, Firebase Functions, Stripe).
- Built the admin dashboard through which admins manage their employees and their benefits (React, Material-UI).
- Presented the demo.

### Sweater Planet                                            *Montreal, QC*
SOFTWARE ENGINEER INTERN                                      *Jan. 2021 - March. 2021*
- Architected and deployed a kubernetes cluster to serve the backend microservices (Kubernetes, Kustomize, Google Kubernetes Engine).
- Deployed the frontend applications (Google Cloud Run).
- Dockerized the frontend and all the backend microservices (Docker, Docker Compose).
- Designed and implemented CI/CD pipelines for the backend/frontend to build and deploy docker images automatically (Github Actions).

### Harvard High Performance Computing                        *Cambridge, MA*
SOFTWARE ENGINEER INTERN                                      *Jun. 2020 - September. 2020*
- Refactored the user account creation pipeline, increasing processing speed by **15** times (Python, Bash). View final presentation.
- Coded performance tests which exposed high load averages on web server hosts. Identified a way to reduce it by **70%** (Locust).
- Built a dashboard that enables non technical users to understand the complex Harvard super computer status (React, Passenger, Node).

## Honors & Awards

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|---|---|---|
| 2021-22 | **NFTerra Hackathon 1st place $10k Prize, Neo Scholar**, | *SF, CA* |
| 2020-21 | **Cisco Intern of the Month, McGill Wing Hing Chan Scholarship, McGill Faculty of Science Scholarship**, | *Montreal, QC* |
| 2018-19 | **Harvard Book Award, McGill Major Renewable Entrance Scholarship**, | *Cambridge, MA* |

## Education

### McGill (CGPA 3.97)                                        *Montreal, QC*
B.S. IN HONORS COMPUTER SCIENCE AND MATH. LIST OF COURSEWORK  *Aug. 2019 - Apr. 2021*