

# Kai Devrim McCormick

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<https://github.com/kaidevrim> 

Computer Engineering student committed to solving problems and making the world a better place.

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## Skills

- C#, JavaScript, HTML/CSS, Kotlin, Python
  - Git, Docker, Linux, Servers, Circuits, Hardware
  - React, .Net, NodeJS, Excel, Wireless, Radio
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## Education

**Seattle University B.S, Computer Engineering (In Progress)**

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## Experience

**Programmer @ Northwest IdolFest / Seattle, Washington** JUNE 2023 – NOVEMBER 2023

- Resolved multiple long-standing issues impacting the user experience by tackling assigned tickets.
- Developed in JavaScript and quickly learned Gatsby to improve performance on the website by a measurable 30%.
- Effectively communicated with team members to ensure a clear understanding of tasks at hand.

**Programmer @ CodeDay / Seattle, Washington** DEC 2021 – PRESENT

- Programmed multiple projects in Kotlin, JavaScript, Python, and C# to help students with no coding background learn to code.
- Hosted workshops on various topics such as: using Linux, creating a game in CSS, and Android app development.
- Awarded for dedication to helping students learn to code.

**Lead Tech @ ThetaHacks / San Jose, California** DEC 2020 – JAN 2022

- Built the website in TypeScript and React leading to over 500 registrations and 80 submitted projects.
  - Coded multiple demo programs to demonstrate various languages like C#, JavaScript, Python, and C for attendees to learn from.
  - Implemented custom logic for a Minecraft server and built a custom game mode capable of handling 80 users simultaneously.
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## Projects

**Khip-8 / Kotlin** <https://github.com/kaidevrim/khip-8>

- Developed in Kotlin a Chip-8 emulator that allows users to run games made for a different hardware on any PC.
- Used a lot of low-level code with an understanding of binary and different architecture's instruction sets to optimize the program.

**Home Server / Linux, Docker, DNS** <https://dash.dvr.im>

- Built a home data center with 27TB of storage in a raid array
- Virtualized Debian Linux and TrueNAS to make a fault tolerant, stable system with an uptime of 95%
- Distributed a reverse proxy (Traefik) across multiple systems to make a secure way of accessing my services
- Deployed dozens of applications using Docker Compose

**StarItAll Web / C#, ASP.Net** <https://github.com/kaidevrim/staritallweb>

- A website designed to quickly star every repository made by a GitHub user.
- Constructed the backend in C# using the ASP.Net framework and implemented OAuth2 sign on to access the GitHub user's account.

**XKCD.Net / C#, Unit Tests** <https://github.com/kaidevrim/xkcd.net>

- Created a NuGet library used by hundreds of projects that provides an easy-to-use interface for fetching comics from the XKCD website.

**StarItAll CLI / Go** <https://github.com/kaidevrim/staritall>

- Programmed a cross-platform command line tool made in Golang that uses the GitHub API and multi-threading to quickly star every repository made by a GitHub user.