

Kai Devrim McCormick

Seattle, WA 
669-282-7655 
kai@devrim.tech 
<https://linkedin.com/in/kai-mccormick> 
<https://devrim.tech> 
<https://github.com/kaidevrim> 

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

Skills

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

Seattle University B.S, Computer Engineering, 2027

Experience

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.

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.

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.