

Kai McCormick

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Software engineering student with a passion for building reliable, secure, and performant software

EDUCATION

Bellevue College <i>Bachelor of Science in Computer Science, 3.7 GPA</i>	Seattle, WA Aug. 2023 – Jun. 2027
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EXPERIENCE

Computer Science Student <i>Bellevue College</i>	Aug. 2025 – Present Seattle, WA
STEM Teacher <i>Xtatic</i>	Aug. 2025 – Present Seattle, WA
Software Engineer <i>Idolfest Foundation</i>	Jul. 2023 – Nov. 2023 Seattle, WA
Software Engineer <i>ThetaHacks</i>	May 2019 – July 2022 San Jose, CA

- Helped organize the Think City hackathon which led to hundreds more students learning more about developing IoT projects across the Seattle area
- Increased CS student satisfaction by 20% by gathering feedback/data through my role in the CS Advisory Board

- Built FIRST robotics to compete in national competitions as part of a fast-paced, collaborative environment
- Taught diverse K-12 students and adapted curriculum to support different backgrounds and learning needs
- Documented curriculum standards with other King County teachers, improving learning across 5+ courses

- Improved a Gatsby.js website speed by 60% by switching to faster servers and caching state
- Fixed dozens of bugs across the website by introducing unit testing and updating packages for the site

- Built Minecraft server infrastructure supporting 300+ concurrent players through efficient AWS usage
- Developed the website used for the event that led to over 500 signups in a few months
- Made workshops for 500+ participants with industry professionals to further CS education across the globe

PROJECTS

BobaPal <i>React Native, Unit Tests, iOS, AWS, Android, CI/CD</i>	github.com/kaidevrim/bobapal
<ul style="list-style-type: none">Built a mobile app used by 100+ people to track and organize their boba drinksImplemented secure authentication using AWS Amplify and S3 storage so users can save their drinksAdded unit tests and CI checks with 90% coverage to make development faster and safer	
Mini Database Engine <i>C++, Git, GitHub Actions</i>	github.com/CompSciBC/minidatabase-KaiDevrim
<ul style="list-style-type: none">Built a database engine using binary search trees for insert, soft-delete, and find to query large datasets efficientlyDesigned data structures and algorithms to store over 1,000 records with fast indexed accessConfigured a GitHub Actions pipeline running 17 automated tests per commit to validate all operations	
StarItAll <i>Go, C#, ASP.NET, AWS, Chef, Docker, Kubernetes, CI/CD</i>	github.com/kaidevrim/StarItAll
<ul style="list-style-type: none">Created a tool to automate starring 100+ GitHub repositories to boost user engagementBuilt a full-stack web app deployed on AWS with a Go backend and secure authentication using GitHub APIsImplemented logging and analytics to track usage, informing feature iterations and reliability improvements	
Home Server <i>Cloudflare, Docker, Terraform, Distributed Systems, GitHub Actions, CI/CD, Traefik</i>	dash.dvr.im
<ul style="list-style-type: none">Managed 28TB of redundant storage and containerized infrastructure supporting over 30 concurrent streamsAutomated infrastructure provisioning and updates using Ansible and TerraformMonitored server health with Grafana and Prometheus and improved reliability using Kubernetes load balancing	

TECHNICAL SKILLS

Languages: Python, Kotlin, C, C++, Go, C#, JavaScript/TypeScript, Bash, SQL

Cloud: Ansible, Terraform, Kubernetes, Docker, AWS, Unix/Linux, Azure, TCP/IP

Developer Tools: AI/ML, LLMs, TensorFlow, Databases, Unit Tests, Next.js, DS&A, Git, GitHub Actions, CI/CD