

# Kai McCormick

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

## EDUCATION

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

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

- Helped organize the Think City hackathon which lead 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

<b>BobaPal</b>   <i>React Native, Unit Tests, iOS, AWS, Android, CI/CD</i>	<a href="https://github.com/kaidevrim/bobapal">github.com/kaidevrim/bobapal</a>
• Built a mobile app used by 100+ people to track and organize their boba drinks	
• Implemented secure authentication using AWS Amplify and S3 storage so users can save their drinks	
• Added unit tests and CI checks with 90% coverage to make development faster and safer	
<b>Mini Database Engine</b>   <i>C++, Git, GitHub Actions</i>	<a href="https://github.com/CompSciBC/minidatabase-KaiDevrim">github.com/CompSciBC/minidatabase-KaiDevrim</a>
• Built a database engine using Binary Search Trees for insert, soft-delete, and find to query large datasets efficiently	
• Designed data structures and algorithms to store over 1,000 records with fast indexed access	
• Configured a GitHub Actions pipeline running 17 automated tests per commit to validate all operations	
<b>StarItAll</b>   <i>Go, C#, ASP.NET, AWS, Chef, Docker, Kubernetes, CI/CD</i>	<a href="https://github.com/kaidevrim/StarItAll">github.com/kaidevrim/StarItAll</a>
• Created a tool to automate starring for 100+ GitHub repositories to boost user engagement	
• Built a full-stack web app deployed on AWS with a Go backend and secure authentication using GitHub APIs	
• Implemented logging and analytics to track usage, informing feature iterations and reliability improvements	
<b>Home Server</b>   <i>Cloudflare, Docker, Terraform, Distributed Systems, GitHub Actions, CI/CD, Traefik</i>	<a href="https://dash.dvr.im">dash.dvr.im</a>
• Managed 28TB redundant storage and containerized infrastructure supporting over 30 concurrent streams	
• Automated infrastructure provisioning and updates using Ansible and Terraform	
• Monitored 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, NextJS, DS&A, Git, GitHub Actions, CI/CD