

Addison Kimball

akimball.com

PROFILE

Hi, my name is Addison Kimball. I am a software developer/architect, hardware maker/hacker, and all-around curious human. Designing and building secure software and hardware is my passion, and strong problem solving and prototyping skills are what help me turn ideas into reality. In my free time I love to teach myself new technologies, and my primary obsessions are film, automotive/motorsports and general aviation.

EDUCATION

- Southern Methodist University** Aug 2016 - May 2020 Dallas, TX
- Bachelor's degree in Computer Science
- St. Paul's School** Aug 2013 - Jun 2016 Concord, NH
- Graduated cum laude with Engineering Honors Distinctions, Dorm Prefect

EXPERIENCE

- Ironwood Cyber** Jan 2022 - Dec 2023 Fort Worth, TX
- Designed and implemented private GitLab DevOps build infrastructure with Terraform, Packer, Azure Kubernetes Service, and Vault
 - Full-stack development using React/Next.js, ASP.NET Core, GraphQL and Kubernetes on a SaaS Cybersecurity Product. Customer-facing web portals and internal-facing management portals
 - PCB Design, Firmware Development for annual DefCon badge (DC30 Tron Badge, DC31 Arc Reactor Badge)
- Robert Bosch** Jun 2020 - Dec 2021 Mt. Prospect, IL
- Professional Development Trainee Program - Completed 6-month rotations in the following areas:
 - Test & Simulator Development for Dremel 8260 Smart Rotary Tool and Dremel iOS app. Bluetooth Low Energy Firmware Validation and Simulation in Python and C++
 - Email Security Team working on Machine Learning based spam filtering
 - Automotive Cybersecurity at ESCRYP (Bosch Subsidiary) doing full vehicle pentesting and ECU fuzzing. Competed on the CAN Openers DefCon CTF Team (2nd place DefCon 29 Car Hacking Village)
- SMU Lyle School of Engineering** Aug 2019 - May 2020 Dallas, TX
- Teaching Assistant CS330 Database Concepts & CS2240 ARM Assembly Language
- SMU Cybersecurity Club (SC)²** Aug 2019 - May 2020 Dallas, TX
- Technology Officer - CyberForce Competition Team Captain
- Robert Bosch / Chicago Connectivity / Windy City Lab** Jun 2019 - Aug 2019 Chicago, IL
- Internship in the Prototyping Lab doing CAD Product Design and Prototyping using Fusion 360 and Onshape. 3D printing and slicing
- Northwestern University Center for Talent Development** July 2019 - Aug 2019 Chicago, IL
- Teaching Assistant for "Intro to IoT Engineering" - Equinox Program
- Windy City Lab** Jun 2018 - Aug 2018 Chicago, IL
- Internship in the Prototyping Lab doing Embedded Software C++ Prototyping, Embedded Hardware Prototyping, PCB Design and Layout
 - CAD Product Design and Prototyping using Fusion 360 and Onshape. 3D printing and slicing
- Catalyze Chicago/Windy City Lab** Jun 2015 - Aug 2015 Chicago, IL
- High School Internship - St. Paul's Engineering Honors Program (Inaugural Cohort)
 - Embedded Software C++ Prototyping, Embedded Hardware Prototyping, PCB Design and Layout

TECHNICAL PROFICIENCIES / LANGUAGES

Software Development

- C++, Python, C, Swift, Javascript/Typescript, ARM Assembly, C#, NET

Containerization, Virtualization and Cloud

- Terraform, Kubernetes, Docker, Flux, Azure Cloud, Azure Kubernetes Service, Proxmox, KVM/QEMU, AWS

PCB Design, EDA, CAD

- KiCAD, Fusion 360, OnShape, 3D Printing/Slicing

AWARDS / HONORS

2019 Cyberforce Competition - U.S. Department of Energy

- 1st place regional, 7th place national