

EDUCATION

- **University of Colorado Boulder** Boulder, CO
Bachelor of Science in Computer Science; GPA: 3.913 *Fall 2022 – Fall 2024*
- **University of Illinois Urbana-Champaign** Urbana-Champaign, IL
Bachelor of Science in Aerospace Engineering; GPA: 3.46 *Fall 2020– Spring 2022*

PROGRAMMING SKILLS

- **Languages:** Typescript, JavaScript, Scala, Python, Dart, C/C++, C#, Java, SQL, NoSQL.
- **Technologies:** Node.js, Nest.js, React, Next.js, Flutter, React Native, Tailwind, Swagger, Postman.
- **Tools:** AWS, Docker, GitHub Actions, Git, ESLint, Prisma, Firebase, pandas, NumPy, JupyterLab, Jira, Jest.
- **Knowledge:** Linux, CI/CD, UI/UX, VMWare, VirtualBox, Data Science, Agile, Waterfall.

EXPERIENCE

- **Skillsprint** Boulder, CO
Founding Software Engineer *November 2022 - Present*
 - **Advanced Authentication Development:** Engineered a robust authentication system using JWT tokens and Nest.js route guards, significantly bolstering application security and ensuring secure user access.
 - **Technological Integration Mastery:** Successfully integrated and optimized diverse tech stack (Prisma, Swagger, Prettier, PostgreSQL) for efficient backend service.
 - **CI/CD:** Implemented GitHub Actions to automate testing and cloud deployment, streamlining the CD pipeline to Vercel for frontend and AWS EC2 for backend services, enhancing development agility and reliability.
 - **UI/UX Leadership:** Led the design efforts for the Athena project's user interface and user experience (UI/UX) by crafting comprehensive wireframes using Figma and MUI components.
- **Blueprint** Boulder, CO
Infrastructure Lead and Software Engineer *January 2023 - Present*
 - **SQL Migration:** Designed, developed, and executed a migration script using MySQL to transition from legacy to a new database schema, demonstrating deep technical expertise and attention to detail.
 - **End-to-End Testing:** Managed end-to-end testing and validation of migration process, effectively ensuring data integrity, minimal downtime, and zero data loss during the transition.
 - **AWS Amplify Deployment:** Spearheaded the deployment of Blueprint's website on AWS Amplify, optimizing its scalability, reliability, and performance while ensuring seamless integration with AWS services, resulting in a robust and highly available web infrastructure.
 - **SSL and Domains:** Implemented SSL certificates and configured domain settings, enhancing the website's security and trustworthiness, resulting in improved user confidence and SEO rankings.
- **ACM@UIUC** Urbana-Champaign, IL
Chair of SIG Mobile *May 2021 - May 2022*
 - **Mobile App Development Leadership:** Led and participated in full-stack development of a mobile app using Flutter for the frontend and Express for the backend.
 - **Cutting-Edge Website Development:** Pioneered the design and development of a dynamic and responsive website for SIGMobile, harnessing the power of Nuxt.js 3 to elevate the club's online presence and accessibility.
 - **Knowledge Sharing and Skill Enhancement:** Fostered continuous learning through organizing and leading Flutter educational sessions, enabling club members to enhance coding skills and adopt industry best practices.
- **Costa Rica Customs Research** Urbana-Champaign, IL
Software Engineer Researcher *September 2021 - December 2021*
 - **Quality Assurance and Bug Resolution:** Diagnosed and resolved critical application issues, proactively enhancing user experience by systematically identifying and addressing input-related errors.
 - **Innovative Feature Development:** Spearheaded the conceptualization and integration of a cutting-edge User Experience (UX) system, elevating the overall usability and satisfaction of the application.
 - **Cross-Functional Collaboration:** Orchestrated productive collaboration with a diverse team of 4 members, harmonizing efforts to achieve project objectives and timelines.

PROJECTS

- **Mobile App:** Conceptualized and crafted an open source, dynamic mobile application that harnessed the power of AniList's GraphQL API, establishing a cutting-edge platform for users to access and interact with anime-related content.
- **Achieved 2nd Place at HackCU:** Engineered a Chess-Street Fighter-inspired Unity game in just 24 hours, showcasing adaptability and creativity.