

# DEV KUNJADIA

(734) 386-6841 | [devk@umich.edu](mailto:devk@umich.edu) | [linkedin.com/in/dev-kunjadia](https://www.linkedin.com/in/dev-kunjadia) | [github.com/devk03](https://github.com/devk03) | [kunjadia.dev](https://kunjadia.dev)

## EDUCATION

### University of Michigan

Ann Arbor, MI

Bachelors of Engineering in Computer Science, Minor in Mathematics

May 2025

**Coursework:** Data Structures and Algorithms, Operating Systems, Web Systems, Machine Learning, Computer Organization, Probability Theory, Linear Algebra, Statistical Analysis, Throughput Optimization, Multivariable Calculus, Discrete Math

**Leadership:** End the Cycle (Math Tutor), V1 (Professional Development Lead), Club Wrestling (Recruitment Chair)

## EXPERIENCE

### Cisco

Sep. 2023 - Dec. 2023

Incoming Software Engineering Intern

Detroit, MI

### SkySpecs

May 2023 – Present

Software Engineering Intern

Ann Arbor, MI

- Employed Apollo **GraphQL** to integrate data queries into front-end employing **React** and Typescript, facilitating turbine data retrieval for over 200,000 GET requests and over 8,000 POST requests, leading to an 80% drop in querying time
- Spearheaded the development of 35 React components using Bootstrap and Ant Design NPM, and conducted testing of over 8,000 horizon components by encoding custom **Cypress** queries, achieving a 35% decrease in rendering errors
- Applied PostgreSQL, TypeScript, and **Node** to drive back-end development, successfully organizing and rendering 3,000+ damage data samples with robust storage and retrieval capabilities using Grafana and **Terraform** infrastructure

### Void Tech Consulting

Aug. 2022 – Apr. 2023

Software Developer

Ann Arbor, MI

- Leveraged **PostgreSQL** as a relational database to store 300+ sale items objects, while implementing React and TypeScript to engineer a modular and maintainable front-end framework, resulting in an efficient user experience
- Engineered and architected a full-stack system, with Express, Expo, **TypeScript**, and a PostgreSQL database harnessing the capabilities of **React Native** to construct a cross-platform mobile marketplace for University of Michigan students

### Volcone Web Solutions

Oct. 2021 – July 2022

Product Management Intern

Chelsea, MI

- Supervised the seamless allocation and diligent tracking of progress on a total of 60 **JIRA** tickets, actively addressing and resolving over 200 reported issues, while closely adhering to the **Agile/Scrum** Methodology and client needs
- Designed robust pseudo code, adhered to business logic, and fulfilled client requirements to develop data validation methods within a mobile transit application, while structuring and testing 35+ edge cases for ride scheduling

## PROJECTS

### Corridor | JavaScript, React.js, Firebase, Next.js, Firebase, Swift, Figma

Mar. 2023 – Present

- Built web infrastructure to provide a indoor mapping management and user analytics solution, whilst also leading development of a mobile application using **Swift**, Firestore, and custom tooling to render a navigation system
- Directed a team of 3 software engineers through database design employing Google Firebase, weekly JIRA sprint and ticket planning, V1 Build Blue Demo Day, and UI design applying **Figma** in addition to handling business needs

### Thread Library | C++, Multi-threading, Linux, Unix

May 2023

- Implemented a C++ thread library on **Linux**, executing CPU initialization, thread creation and managing 50+ CPUs, interrupt handling, atomicity, thread management, scheduling order, and synchronous context processes
- Designed, implemented, and tested functional mutexes, conditional variables, and integral CPU functionality, utilizing advanced **Unix** context management, involving register, stack, hardware coordination, and programming counter syncing

### Travelling Salesperson | C++, TSP Algorithm, Graph Algorithm

Dec. 2022

- Utilized advanced graph theory and a **Nearest Neighbor** path finding heuristic to solve instances of the Traveling Salesperson problem in quadratic time complexity with an average approximation error of 5/3 on larger inputs

## SKILLS AND CERTIFICATES

**Languages:** C++, C, JavaScript, Python, Java, Typescript, ARM, HTML, CSS

**Technologies:** React, Node, PostgreSQL, MongoDB, Next, GraphQL, Git, Docker, Postman, Linux, Jira, Cypress

**Certificates:** JPMorgan SWE Experience 2023, Colt Steele Web Bootcamp 2022, Codepath Technical Interview Prep 2023

**Personal Interests:** Investing, Ukulele, Chess, Combat Sports, Philosophy