# Kai Dove

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## EDUCATION

**University of Virginia, School of Engineering and Applied Science**    Charlottesville, VA

B.S. Computer Science    August 2022 – May 2026
GPA: 3.92
Relevant Coursework: Data Structures/Algo, Computer Systems and Organization, System Development
Essentials, Forge Source

## RELEVANT PROJECTS

**Personal Portfolio Website**, *Individual*    June 2023 - Present
- Utilizes the power and flexibility of React to facilitate a dynamic and responsive user experience, coupled with Firebase for seamless backend management, ensuring secure and efficient data handling.
- Showcases detailed project insights through an interactive portfolio section, alongside integrated social media links and a direct communication channel facilitated by EmailJS, all streamlined under Git version control.

**Link Manager Web Application,** Individual    July 2023 – Present
- Leveraged event listeners and DOM manipulation to provide dynamic interactions, such as opening links in new tabs and updating timers.
- Developed a comprehensive web-based application for managing and timing URL links, allowing users to add, sort, and remove links with ease**.**

**Individual Mobile App Project,** *Individual*    March 2023 – Present
- Accomplished the development of an individual tycoon-style mobile app by implementing a robust game engine using Unity3D and JavaScript, enabling realistic simulation of various business operations and financial systems.
- Accomplished secure and efficient data storage and retrieval by implementing complex backend systems, including player progress tracking and in-game currency management using Firebase or custom backend solutions which led to enhanced game functionality.

**Product Identification Project,** *Individual*    March – June 2023
- Successfully completed an individual project to train a product recognition model using Convolutional Neural Networks (CNNs) with TensorFlow, achieving high accuracy and performance.
- Designed and developed a user-friendly web interface for image uploads and product identification, ensuring seamless user experience.

## WORK EXPERIENCE

**Mathnasium**, *Tutor*    Fall 2021 - Spring 2022
- Accomplished a more engaging learning environment by implementing creative problem-solving exercises which led to higher student participation and enthusiasm.
- Liaised with teachers and leaders to adapt to the COVID-19 pandemic.

## LEADERSHIP, HONORS, AND EXTRACURRICULAR ACTIVITIES

**Science Honor Society**, *President of SHS*    Fall 2020 - Spring 2021
- Coordinated with tutors to design a robust schedule to support students' academic needs.
- Liaised with teachers and leaders to adapt to the COVID-19 pandemic.

## SKILLS

**Programming Languages: Python, Java, HTML/CSS, TypeScript, JavaScript, SQL, C++, Git, VSCode, IntelliJ, PyCharm, MATLAB, Firebase, React/Node.js, Slack**