

# CHRIS COMBS

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## EXPERIENCE

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### Open-Source Contributor – voideditor/void

- Contributed to an open-source AI-powered code editor (alternative to Cursor/Copilot)
- Designed a feature allowing users to pass selected content to LLMs as contextual input for code suggestions
- Enhanced developer experiences by augmenting IDE functionality to provide novel AI experiences

## EDUCATION

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### Virginia Commonwealth University (VCU)

August 2023 – May 2025

Bachelor of Science – Information Systems

- Magna Cum Laude, GPA: 3.8

**Relevant Coursework:** Systems Development, Intermediate Programming, Projects in Information Systems, Programming for Business Analytics, IT Infrastructure, Analysis & Design of Database Systems

## SKILLS

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**Programming Languages:** Go, Python, JavaScript, TypeScript, C#, HTML, CSS

**Cloud & DevOps:** AWS, AWS EKS, AWS ECS, AWS ECR, AWS EC2, Kubernetes, Docker

**Full-Stack Frameworks:** Express, Gin, React, Next.js, Tailwind CSS

**Machine Learning:** Large Language Models (LLM), Retrieval-Augmented Generation (RAG)

**Databases:** PostgreSQL, MySQL, MongoDB, Redis

## PROJECTS

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### Source Code Validator

- Developed a full-stack Go and React app leveraging LLMs and RAG to allow businesses to assess a set of requirements against an existing codebase, enhancing developer productivity and relations
- Managed data persistence using MongoDB and Redis for prompt storage and session management
- Containerized app using Docker and Kubernetes for deployment to AWS ECR and EKS instances
- Implemented CI/CD pipelines, reducing deployment time by 40% and increasing testing coverage by 25%
- Facilitated communication between clients to gather requirements and deliver production-ready solutions

### Osu! Performance Calculator Chrome Extension

- Built and distributed a Chrome extension with 500+ downloads that dynamically displays performance points on Osu! Beatmap pages, helping players track progress and improve gameplay strategies
- Injected React components and JavaScript into Osu! pages, tracking navigation and DOM updates
- Incorporated community feedback, iterating on feature requests and bug reports to improve user experiences

### RollCallr

- Collaborated with an Agile Scrum team to design and build a full-stack app for tracking classroom attendance
- Designed Express.js and MySQL backend for course management, authentication, and real-time attendance
- Built a student-facing interface using React.js and JavaScript to support attendance reporting workflows

## AWARDS & STUDENT ORGANIZATIONS

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**1<sup>st</sup> Place, Altria Business Analytics & AI Challenge** – Developed AI-driven solutions for inefficiencies, involving machine downtime, overtime spending, and employee knowledge retention

**2<sup>nd</sup> Place, Cybersecurity Case Study Competition** – Analyzed and presented response strategies to Petya ransomware attack