

David Dinh

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EDUCATION

University of South Carolina, College of Engineering and Computing Columbia, SC

May 2026

B.S. Computer Science,

Coursework: Object-Oriented Programming, Data Structures, Computer Networks, Operating Systems, Artificial Intelligence,

TECHNICAL SKILLS

- **Programming Languages:** Java, C++, Python, C#, TypeScript, JavaScript, SQL, Swift, HTML, CSS, Bash/Shell Scripting
- **Technologies:** AWS, Azure DevOps, Git, IntelliJ, Visual Studio Code, WebStorm, Yarn, Docker, Node.js, ChatGPT, Angular, React.js, Next.js, Flask, PostgreSQL, MongoDB, SQLite, APIs, Linux/Unix, Visual Studio, WASM
- **Practices:** Algorithms, Data Structures, Design Patterns, Unit Testing, Test-Driven Development (TDD), Continuous Integration/Continuous Deployment (CI/CD), Agile (Scrum/Kanban), Waterfall, DRY, SOLID Principles, Microservices Architecture, Version Control, SOAP
- **Skills:** Project Management, Team Development, Leadership, Technical Documentation, Software Architecture, Problem-Solving, Mentorship, Debugging & Troubleshooting, Machine Learning Fundamentals

EXPERIENCE

Duck Creek Technologies, Columbia, SC

May 2025 – Aug 2025

Software Engineer Intern

- Led WCAG 2.1 AA upgrade on an *Angular + TypeScript* front-end, refactoring critical components with semantic HTML, ARIA roles, and full keyboard support—cutting accessibility violations by 80% and boosting NVDA/VoiceOver screen-reader accuracy.
- Built a Tier-2 REST API in *ASP.NET Core (C#)* with *MongoDB* that mirrors Duck Creek's .NET stack and Anywhere API conventions; documented the service with *Swagger/OpenAPI*, reached 90% Unit-test coverage
- Collaborated daily with three senior engineers, completing story points 15% faster on average Partnered with fellow interns to jointly improve code quality and circulate best practices.

Centro Health Solutions, Columbia, SC

Oct 2024 – Jan 2025

Full Stack Software Developer Intern

- Performed tests daily, ensuring comprehensive coverage of website functionality and improving test coverage by 12%.
 - Worked side-by-side with developers to reproduce bugs and flag security weak spots, delivering clear, actionable feedback.
 - Researched and replicated searching systems utilizing A.I. to comprehend user data.
 - Created Process flow for checking Identification of Users.
- Wrote unit tests for the identity microservice, gaining hands-on insight into how the platform's APIs interact.

PROJECTS

VS code Extension-DinhyTime-Deepseek

Jan 2025 – May 2025

- Developed a VS Code extension using TypeScript to locally implement DeepSeek AI for enhanced developer productivity.
- Integrated custom commands, code enhancements, and user interactions within the extension.
- Utilized VS Code API, Node.js, and JSON configuration for seamless functionality and user customization.
- Trained AI models to refine DeepSeek performance and improve intelligent code suggestions.

PEK PEK- Language Learning App

Aug 2024 – Dec 2024

- Developed a language learning app using Java, with JSON integration for data organization.
- Balanced gamification with effective learning through progression-based lessons and interactive exercises.
- Integrated JUnit for unit testing, ensuring robustness of lesson delivery and user progress features.
- **Skills:** Project Management, Team Development, Leadership, Technical Documentation, Software Architecture, Problem-Solving, Mentorship, Debugging & Troubleshooting, Machine Learning Fundamentals

LEADERSHIP & INVOLVEMENT

Theta Tau, Professional Engineering Fraternity Zeta Delta

Jan 2025

- led outreach efforts in STEM-related volunteer programs, encouraging youth involvement and promoting educational opportunities

Mentor Program

Aug 2023

- mentored 3 Students for professional development and career advancement

Vietnamese Association

Aug 2023