CAEDON EWING

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EDUCATION

The University of Texas at Dallas — Richardson, TX
Bachelor of Science in Computer Science — *Aug 2022 - Dec 2025*
- Relevant Coursework: Software Engineering, Database Systems, Data Structures & Algorithm Analysis, Systems Programming (Unix), Computer Architecture, Programming Language Paradigms, Machine Learning

WORK EXPERIENCE

Application Development Intern — May 2025 - Aug 2025
Christus Health — *Irving, TX*
- Developed C# applications with SQL database integration for healthcare data management systems using .NET framework, implementing comprehensive CRUD operations for enterprise-level application development
- Collaborated with cross-functional development teams on production-scale database architectures, gaining practical experience with distributed data systems and application deployment in enterprise environments
- Participated in Agile development workflows including sprint planning, code reviews, and iterative feature development, maintaining focus on scalability and system reliability
- Utilized ServiceNow for ticket management and project tracking, ensuring efficient workflow coordination and issue resolution across development teams

Research Assistant - Data Analyst — Jun 2024 - May 2025
Neuroscience Research Lab, UT Dallas — *Richardson, TX*
- Led interdisciplinary team developing unsupervised machine learning algorithms utilizing affinity propagation for complex behavioral data clustering, doubling pattern recognition accuracy through algorithmic optimization
- Developed automated data cleaning pipeline for over 1M rows of raw data, reducing processing time by 50% through optimized algorithms and efficient data processing workflows
- Collaborated with cross-functional teams to identify performance bottlenecks and implement scalable solutions, demonstrating strong analytical and problem-solving capabilities in fast-paced research environment

TECHNICAL PROJECTS

Dipfin - Full-Stack Financial Application — Jul 2025 - Nov 2025
- *React TypeScript, .NET API, C#, Entity Framework, SQLite, JWT, RESTful APIs*
- Engineered full-stack financial platform using React TypeScript frontend and .NET/C# backend API, implementing comprehensive stock portfolio tracking system with real-time data visualization and secure user authentication
- Designed and implemented RESTful API architecture with robust database schema for user portfolio management, integrating third-party financial data provider (FMP) for real-time market data and implementing secure authorization workflows
- Built responsive single-page application with efficient state management, intuitive search functionality, and modern UI/UX following financial industry design patterns, demonstrating full-stack development capabilities and enterprise-level architecture

WHIZZARD - Mobile Health Application | *1st Place Winner* — Feb 2024
- *React, OpenCV, JavaScript, GPT API, RESTful APIs*
- Developed responsive React components based on Figma prototypes, implementing industry-standard security protocols and HIPAA-compliant user interfaces for healthcare data processing applications
- Collaborated with cross-functional team using Agile methodologies to deliver production-ready features, demonstrating ability to work effectively in fast-paced, multi-directional work environments
- Integrated GPT-powered medical interface with RESTful APIs for patient query processing, showcasing API integration expertise and real-time data processing capabilities

Personal Portfolio Website — Nov 2025
- *React, Vite, Tailwind CSS, JavaScript, Vercel*
- Built modern personal portfolio website using React and Vite build tooling, showcasing projects and technical skills with clean, professional design and fast load times through optimized build configuration
- Implemented responsive design using Tailwind CSS utility classes, ensuring seamless user experience across desktop, tablet, and mobile devices with mobile-first development approach
- Deployed production application to Vercel with automated CI/CD pipeline, demonstrating proficiency in modern frontend deployment workflows and cloud hosting platforms

TECHNICAL SKILLS

Frontend Technologies: React, React TypeScript, HTML5, CSS, JavaScript, TypeScript, Tailwind CSS, Vite, Responsive Design

Backend & APIs: .NET Framework, C#, RESTful APIs, Spring Boot, JDBC, SQL, Entity Framework

Programming Languages: JavaScript, TypeScript, C#, Java, Python, C++, MATLAB

Tools & Practices: Git, Agile Development, Maven, JUnit, Vercel, Google Cloud Platform, ServiceNow, Figma