Ethan Reece

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Skills

DevOps and System Administration   Linux, Git, GitHub Actions, Docker, Guix

Programming Languages   JavaScript, C#, Java, C, C++, Guile/Scheme

Layout and Web Development   HTML, CSS, React, ASP.NET, Express.js, Astro, Typst

Education

The University of Texas at Dallas   May 2026
Bachelor of Science in Computer Science   Current GPA: 3.749

- Collegium V Honors Program
- Relevant Coursework

    Completed   Programming Language Paradigms, Digital Logic & Computer Design, Operating Systems Concepts, Probability and Statistics for CS, Data Structures and Algorithms, Software Engineering, C/C++ Programming in UNIX, Computer Architecture, Discrete Mathematics II

    Current   Database Systems, Advanced Algorithm Design & Analysis

Work Experience

Scrumfish Software   Nampa, ID   June – August (2022, 2023)
Software Engineering Intern   C#/ASP.NET, JavaScript/React, Microsoft SQL Server, GitHub

- Developed ASP.NET APIs for data management, multifactor authentication, and document conversion.
- Created a React-based UI for a book critique platform, supporting document viewing, sharing, and annotation.
- Automated the update of email templates in the database using SQL and PowerShell scripts.

R-Technics   Boise, ID   June – August (2022, 2023)
Software Engineering Intern   Azure, Windows Server, Docker, C#/ASP.NET

- Supported server maintenance through update research, implementation, and monitoring.
- Developed a C# program to fetch song lyrics and metadata from an API, later integrated into the main product.
- Enhanced a server application with Docker and Linux support; established an Azure DevOps pipeline for build automation.

Professional Development

Personal Server Administration   2020 – Present
Personal Project   Linux, Docker, Guix/Guile, Git, Proxmox, Google Cloud

- Manage a physical server using Proxmox, Debian VMs, and Docker for several applications.
- Migrate new applications to Guix to utilize declarative configuration for reduced state, fine-grained system control, and increased resource efficiency.
- Implement a VPN via Google Cloud Compute Engine to navigate CGNAT limitations.
- Host various services including Forgejo, TrueNAS, Nextcloud, and Vaultwarden.

Cybersecurity Courses   February 2023 – November 2023
CodePath CYB101, CYB102   Linux

- Gained knowledge in cybersecurity tools and defense strategies.