

Adam Applegate

Software Developer

📁 Employment History

Software Engineer at National General, Longmont, CO

May 2023 — Current

Software Engineer Intern at FamilySearch, Lehi, UT

April 2022 — November 2022

- Managed a critical production web app that handles up to 25M requests/hr, ensuring high uptime and availability
- Increased test coverage by 25%, reducing production bugs and errors
- Improved webservice performance by 10% by debugging and optimizing code
- Designed and implemented numerous data-integrity focused features, improving user satisfaction and data integrity
- Optimized database queries and connections, increasing app speed by 7%

Student Software Engineer at BYU-I, Rexburg, ID

January 2022 — April 2022

- Designed and implemented features across the full tech stack, from the database to the frontend while ensuring quality, data integrity, and a smooth user experience
- Collaborated with team of 5 using Agile, increasing productivity by 15% and reducing code defects by 25%

Volunteer Tutor at BYU-I, Rexburg, ID

January 2022 — April 2022

- Tutored students in various programming languages and methodologies
- Taught at the student's level and increased knowledge until they no longer needed tutoring

★ Projects

Machine Learning Web App

- Fullstack app developed with C#, ASP.NET, ML.NET, Angular, and PostgreSQL
- Trained an image classification algorithm to process photos and determine what species of bird is present in an image
- Uses a ASP.NET API backend and an Angular frontend to consume the data
- Hosted app in the cloud and connected many microservices to enhance functionality

Photo Filtering Software

- Made with Python and the OpenCV, Tkinter, and NumPy libraries
- Implemented a robust set of filter algorithms to transform images based on the selected filter

🎓 Education

B.S. Software Engineering, Brigham Young University - Idaho, Rexburg, ID

April 2018 — July 2022

Details

Colorado, United States

applegateadaml@gmail.com

Links

www.linkedin.com/in/adam-applegate

adamgate.github.io

www.github.com/adamgate

Skills

C#/.NET

SQL

Vue/TypeScript

Linux

REST APIs

Git

Agile / Scrum

Hobbies

Bird Watching

Board Games

Gardening

Custom Keyboards