

# Adam Applegate

Software Developer

Colorado, United States  
applegateadaml@gmail.com

## 📁 Employment History

### Software Engineer @ National General Insurance | Longmont, CO

May 2023 — Current

- Designed comprehensive tests to ensure high code quality & data integrity, increasing code coverage by 7%
- Wrote quality documentation used by multiple teams, greatly decreasing integration time
- Provided regular production environment & deployment support
- Developed key app features and oversaw the code from pull request all the way to production

### Software Engineer Intern @ FamilySearch | Lehi, UT

April 2022 — November 2022

- Handled a critical production web app that processed up to 25M requests per hour, ensuring high uptime and availability
- Increased test coverage by 15%, reducing production bugs and errors
- Optimized database queries and connections, increasing app speed by 7%

### Student Software Engineer @ BYU-I | Rexburg, ID

January 2022 — April 2022

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

### Volunteer Tutor @ BYU-I | Rexburg, ID

January 2022 — April 2022

- Tutored students in various programming languages and methodologies

## Links

[linkedin.com/in/adam-applegate](https://linkedin.com/in/adam-applegate)  
[adamgate.github.io](https://adamgate.github.io)  
[github.com/adamgate](https://github.com/adamgate)

## Skills

C# / .NET

- LINQ
- ASP.NET
- MS Test

Databases

- MS SQL Server
- Stored Procedures
- SSMS

Tools

- Azure DevOps
- Git
- Visual Studio

Methodologies

- REST APIs
- Agile / Scrum

## ★ Projects

### Machine Learning Web App

- Fullstack app developed with C#, ASP.NET, ML.NET, Angular, and PostgreSQL. Hosted in the cloud.
- 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

### 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