

Alex Cole

Andover, MN alexcole54@gmail.com ♦ 612-963-1737 ♦ <https://www.linkedin.com/in/alexcolephoenixcsmsoc/>

EDUCATION

Bachelor of Science Student, Computer Science

August 2022 to Present

University of St. Thomas ♦ Expected Graduation: May 2025 ♦ 3.84 GPA

SKILLS

- C#, C++, C, Microsoft Power BI, Microsoft Power Automate, Python, Java, SQL, HTML, CSS, Microsoft Applications

EXPERIENCE

Software Engineer Intern

June 2024 to August 2024

Emerson – Shakopee, MN

Manager: Sophia Riebel

- Developed a C# application using Agile methodologies to securely automate the transfer of backup database files for one of Emerson's production sites.
- Optimized Power BI reports and edited complex codebases, enhancing key metrics such as backlog, inventory, and scrap, enabling the Operations team to make data-driven decisions.
- Designed a Power Automate flow to retrieve real-time operations data from one of the production sites, ensuring the team had access to up-to-date information consistently.
- Collaborated closely with an international team to implement necessary revisions to the SQL database, improving the management of production data.
- Designed a C# application to automate the process of fixing incorrect values in the SQL database.
- Worked on a C# application that pulled pdf files from a Microsoft SharePoint site and displayed them in a presentation that could be accessed by workers on the manufacturing floor.

Youth Soccer Coach and Trainer

May 2021 to Present

Manitou FC Futbol Club – White Bear Lake, MN

- Coaching two competitive youth soccer teams.

Maintenance Staff

May 2022 to August 2022

Anoka-Hennepin ISD 11 – Champlin Park High School, Champlin, MN

- Performed maintenance and manicured property of 3,000-student school campus.

PROJECTS

C++ Chess Project

- Designed a chess application in C++ using the Qt library for the GUI.
- Implemented a dynamic feature to highlight possible moves for a selected piece.