Colton Kayser

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Education

University of St. Thomas   09/2022 – 12/2025
Bachelor of Science, Computer Science   GPA: 3.6

- **Coursework:** Artificial Intelligence, Data Structures and Algorithms, Computer Architecture, Information Security, Object Oriented Design & Development, Programming & Problem Solving, Spanish 1 & 2

Technical Skills

Programming Languages: Java, Python, C, C++, C#, SQL, JavaScript, HTML, MATLAB, R
Platforms: Git/GitHub, Jenkins, Azure DevOps, Jira, VS/VSCode, IntelliJ, SSMS, SSIS packages, .NET
Methodologies: CI/CD, OOP, ETL, Test Driven Development, Machine Learning, Cryptography, Agile/Scrum

Professional Experience and Projects

Software Engineering Intern   Minneapolis, MN
Wells Fargo   05/2025 – Current

- Eliminated 60 minutes of daily, manual work by developing and deploying a C# and SQL-based SSIS package to automate NDM file monitoring and compliance tracking, using tokenized variables, leveraging Azure DevOps for version control, and the Cloud Management Portal.
- Engineered a secure enterprise level Access Certification Tool feed using ETL pipeline processes to standardize vendor intake of employee data, improving reliability and audit readiness.
- Placed 2nd out of 50+ teams in a Wells Fargo cybersecurity hackathon by identifying and exploiting modern real-world vulnerabilities from the last decade, showcasing practical offensive security expertise.

Information Technology Associate   Davidson, NC
Trane Technologies   05/2024 – 04/2025

- Automated a large-scale database consolidation project by developing a Python script to archive or delete data based on age, saving over 120 hours of manual work per month.
- Debugged and resolved defects in C++ and Java during weekly triage sessions, deploying fixes via CI/CD pipelines.

System Engineer Intern   Saint Paul, MN
University of St. Thomas   01/2024 – 05/2024

- Maintained a secure SQL database of 10,000+ university stakeholders and designed HTML email campaigns sent to thousands, supporting large-scale, campus-wide outreach.
- Resolved IT support tickets and technical issues, ensuring uninterrupted university-wide communication.

Gridiron Guru - Python, Pandas, Machine Learning   10/2024

- Built a machine learning model in Python using Pandas, NumPy, and scikit-learn to predict NFL game outcomes with logistic regression and cross-validation.
- Developed and trained a scikit-learn pipeline achieving 70% prediction accuracy on recent seasons through targeted feature extraction and iterative tuning.

Hash Guard - Python, Cryptography   09/2024

- Deployed a secure authentication system using salted SHA-512 password hashing with robust file I/O and exception handling.
- Designed a custom 'User' class for account management, implementing login verification and error-resistant credential storage.

Leadership and Professional Development

Student Success Coach - Computer Science   Saint Paul, MN
University of St. Thomas   03/2025 – Current

- Mentored junior CS students on resume refinement, mock technical/behavioral interviews, tech stack & personal project selection, and career planning to strengthen professional networks and secure internships.

Front End Lead   Maple Grove, MN
Dick's Sporting Goods   02/2020 – 05/2024

- Led a front-end team of 25+ staff driving daily operations and team coordination, while developing foundational communication and leadership skills.