Tom Stevenson

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EDUCATION

University of Minnesota—Twin Cities   **Minneapolis, Minnesota**
- B.S. in Computer Science | GPA: 3.752   *May 2026*
- Activities: Amazon Web Services Cloud Club, Competitive Programming Club, Minnesota Quants

EXPERIENCE

Software Engineering Co-op   **Plymouth, Minnesota**
Philips   *January 2025–August 2025*
- Deployed self-hosted GitHub runners and optimized build scripts to improve CI/CD processes, resulting in ~700 hours saved annually in build time.
- Extended C++ Test Automation Framework to accelerate regression cycles and cut manual testing effort by 40%.
- Designed and executed a statistical power analysis using ClearML, WSL, and Docker to quantify the data volume required for segmentation models to meet clinical acceptance criteria across multiple datasets.

Senior Student Software Developer   **Minneapolis, Minnesota**
University of Minnesota—College of Liberal Arts   *May 2024–August 2025*
- Rebuilt a 36k-line PHP system into a React/Express/MySQL app, boosting performance 500% for 7,000+ users.
- Led a 3-member team through a five-month refactor, enhancing accessibility and backend efficiency.

Undergraduate Research Assistant—Social Network Researcher   **Minneapolis, Minnesota**
University of Minnesota —Prof. Jaideep Srivastava Research Group   *May 2024–Nov 2024*
- Partnered with Prof. Srivastava's team to build an ML toolkit for misinformation mitigation (trust scoring, vulnerability analysis, forensics).
- Developed core ML modules for measuring trustworthiness and detecting spreaders in social networks.

Software Engineering Intern   **Minneapolis, Minnesota**
Lexus of Wayzata   *September 2023–November 2023*
- Developed a full-stack web app using Python (Flask) and SQLite to manage dealership sales data, improving data integrity and reducing dropped records by 60%
- Collaborated with sales, marketing, and service teams to gather requirements and tailor features to real-world workflows.

PROJECTS

Spatial Transcriptomics Pipeline   **Minneapolis, Minnesota**
University of Minnesota—Prof. Lin Zhang Research Group   *August 2024–Present*
- Built modular pipeline for spatial transcriptomics data analysis in Python and C++, ensuring reproducibility and cross-technology support.
- Developed a responsive website with HTML, Bootstrap, and JavaScript to host tools and documentation for global research collaboration.

Credit Card Fraud Detection with Machine Learning   **Minneapolis, Minnesota**
Minnesota Quants   *July 2024–September 2024*
- Built linear SVM, neural network, and logistic regression models in Google Colab, achieving 97–99% accuracy, informed by techniques from Stanford's CS 229 course.
- Created data pipelines and visualizations with Pandas, NumPy, Matplotlib, PyTorch, and Scikit-learn to streamline model validation.

LEADERSHIP

Amazon Web Services Cloud Club   **Minneapolis, Minnesota**
President and former Marketing and Member Outreach Officer   *May 2024–Present*
- Secured AWS partnership and guest speakers, growing membership by 50 people, and boosting student outcomes.
- Led workshops on compute, storage, serverless, and AI/ML services to provide a hands-on cloud experience.

Delta Kappa Epsilon   **Minneapolis, Minnesota**
Class President and Scholarship Chair   *September 2023–January 2025*
- Increased Dean's List honorees by 40% through peer-study groups and academic workshops, securing the Lion's Trophy as DKE's highest honor for a chapter.
- Elected Class President (35–1 vote) and organized chapter meetings, coordinated philanthropy events, and helped unify members through shared academic and community goals.

SKILLS & INTERESTS

Languages & Web: C++, Python, Java, JavaScript, OCaml, MySQL, HTML/CSS, React, Node.js, Express.js
Data & ML: Pandas, NumPy, PyTorch, TensorFlow, Scikit-learn, Matplotlib, Google Colab, ClearML
Tools & Platforms: Git, Docker, AWS (EC2, S3, Lambda, SageMaker, Bedrock), Linux, WSL, Windows, macOS
Interests: Chess, Strength Training, Baseball, Basketball, Poker, Running, French