

Breanna Ranglall

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EDUCATION

University of St. Thomas, GPA 3.51

Expected Graduation: May 2026

B.S. *Computer Science & Data Science*; Minors in *Spanish & Applied Statistics*

Awards: Dean's Honor List, Science Mathematics & Engineering Scholar, STEM San Francisco Career Trek, REAL Scholar

Leadership: Computer Science Club (*Elected President*), Data Science & Analytics Club (*Elected Vice President*)

INTERNSHIP & RESEARCH EXPERIENCE

Research & Development Intern

May 2025 – August 2025

Display Lab, 3M

Maplewood, MN

- Won first place in all three categories of the Innovation Challenge by presenting a team-developed product.
- Created a Neural Network optimized with Optuna to accelerate the design process of anti-sparkle optical film.
- Enabled virtual physics modeling for customers by converting legacy Fortran to C#, while improving memory.

Innovation Research Scholar

October 2024 – February 2025

Minnesota Private College Council, Partnered with NASA

St. Paul, MN

- Researched and analyzed a NASA biomedical interdisciplinary project on neurological disease diagnosis.
- Provided actionable recommendations for commercialization pathways in the healthcare sector, integrating insights from biomedical, healthcare, and business perspectives with a diverse team.

Software Engineer Intern, TECDP

May 2024 – August 2024

The Cigna Group

Bloomington, MN

- Developed and deployed a machine-learning based recommendation system and 'story-point predictor' using a Neural Network (TensorFlow/Keras) and GPT from OpenAI, integrated with React.js and AWS.
- Migrated Java microservices from PCF to OpenShift, collaborating through pair programming.
- Contributed to Agile ceremonies, including debugging, pull requests, and code reviews as a frontend developer.

Service Desk and Desktop Support Intern

May 2023 – September 2023

ITS, University of St. Thomas

St. Paul, MN

- Facilitated smooth rollout, reimaging, data transfers and replacements of 250+ Windows and Apple devices.
- Exhibited responsible use of administrative rights, including installations, ensuring security and system integrity.

WORK EXPERIENCE

Co-Founder & CTO

July 2025 – Present

CognitionIQ

St. Paul, MN

- Co-founded a venture leveraging NASA's COBRA algorithm to develop VR-based concussion detection software.
- Leading development of integrating data science models and eye-tracking interfaces for real-time assessment.

Resident Advisor

August 2024 – Present

Residence Life, University of St. Thomas

St. Paul, MN

- Trained in conflict resolution techniques to mediate resident disputes and foster a positive community.
- Apply active listening and problem-solving skills to address challenges among my 34 first-year residents.

CERTIFICATIONS & SKILLS

CERTIFICATIONS: Microsoft Career Essentials in Software Development (2024); Minnesota Spanish Gold Bilingual Seal (2022); Palo Alto Networks Cybersecurity Foundations (2022); Netork Security Fundamentals (2022)

SKILLS: Java, Python, R, SQL, JavaScript, HTML/CSS, React; AWS, GitHub, MySQL, SQL Server, Tableau; Neural Networks, Machine Learning, Regression Analysis, ANOVA, Data Wrangling, Structural Equation Modeling, Data Visualization