

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
<i>Display Lab, 3M</i>	Maplewood, MN
<ul style="list-style-type: none">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
<i>Minnesota Private College Council, Partnered with NASA</i>	St. Paul, MN
<ul style="list-style-type: none">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
<i>The Cigna Group</i>	Bloomington, MN
<ul style="list-style-type: none">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
<i>ITS, University of St. Thomas</i>	St. Paul, MN
<ul style="list-style-type: none">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
<i>CognitionIQ</i>	St. Paul, MN
<ul style="list-style-type: none">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
<i>Residence Life, University of St. Thomas</i>	St. Paul, MN
<ul style="list-style-type: none">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); Network 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