

Tiyler Gratz

STRENGTHS

Overachiever
Self-Starter
Initiative
Ability to Work Under Pressure
Strong Work Ethic
Leadership in Technical Teams
User-Centered Design

SKILLS

Java, Python
JavaScript
C#, C, and C++
GameMaker Language
R, HTML, CSS, SQL
TypeScript
HTML & CSS
Linux/Unix
Node.js

SOFTWARE

Git, JMP, Minitab,
Microsoft Office Suite

EDUCATION

University of St. Thomas
St. Paul, MN, USA
BS in Computer Science, minor
in Applied Statistics & Game
Design - GPA 3.75

OTHER INTERESTS

Drawing, video games, time
with friends, walking, biking,
time with my pets

References Available
Upon Request

Location: St. Paul, Minnesota - tiylerjgratz@gmail.com - (952) 378-0898

Linked IN Profile: <https://www.linkedin.com/in/tiyler-gratz-181b39303/>

Resume Summary: *Results-driven Computer Science graduate with a minor in Applied Statistics and Game Design, graduating with Dean's List honors from the University of St. Thomas in just three years. Performed on a robotics team in a high-pressure 3-day robot-building challenge, demonstrating exceptional time management, creativity, and complex problem-solving under tight deadlines.*

Skilled in Python, JavaScript, Java, and R, with expertise in algorithm development, machine learning, and data analysis. Experienced in full-stack development, parallel computing, and version control, with a strong foundation in statistical modeling and database management. Known for my ability to quickly learn new technologies, lead technical projects, and deliver solutions that solve real-world problems.

EXPERIENCE

2023 – PRESENT • Math Tutor, University of St. Thomas, St. Paul, MN

- Tutored college students in mathematics, helping them grasp complex concepts and improve their academic performance, resulting in increased confidence and success in problem-solving.
- Adapted teaching strategies to effectively support students across various math courses, from Finite Math to Calculus II, ensuring they understood key concepts and achieved success in their coursework.
- Worked closely with a team of tutors to provide personalized support, addressing individual questions and contributing to a more interactive and supportive learning environment.

2024 – PRESENT • St. Thomas Robotics Club

- Worked with a team to design, build, and program an FRC (FIRST Robotics Competition) robot in just three days, which is typically done in six weeks, demonstrating strong time management and problem-solving skills under pressure.
- Helped prototype and develop key components of the robot in a fast-paced environment, using technical skills and creativity to complete the project successfully within a tight deadline.

2018 – 2022 • First Robotics, Team Captain (2021-2022)

- Developed and debugged code to enhance robot functionality, applying problem-solving skills to improve performance and ensure smooth integration between hardware and software.
- Assembled and built key robot components, using hands-on engineering skills and collaborating with teammates to turn complex designs into a working robot.
- Managed the team's social media presence, boosting visibility and engagement through effective communication and content sharing.