

Nathanael Hadgu

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Seeking to leverage proven experience in programming, mechanical assembly, and team leadership to step into the software engineering industry. Eager to join an innovative and unique environment to contribute skills in Java/JS, Python, and SQL while learning new industry applications.

Education

North Dakota State University, Fargo, ND Bachelor of Science in Software Engineering |
Expected Graduation: December 2027

Currently advancing knowledge in computer science and computer applications.

Technical & Core Skills

Programming & Data: Java/JS, Python, SQL, OOP, Database systems, Data Structures.

Mechanical & Electrical: Breadboard wiring, Manufacturing, 3D Printing.

Professional: Group/Team Collaboration, Workplace Safety, Microsoft Word/Excel.

WORK HISTORY

Digital Fabrication Lab Assistant, NDSU Libraries, Fargo, ND | February 2025 -
Current

- Developed and fabricated custom test products using various software tools.
- Created practical tools used by students in everyday life.
- Maintained organization and tracking for all commission requests.

Student Assistant NDSU Libraries, Fargo, ND | March 2024 -
Current

- Monitored student behavior in workspaces, laboratories, and on field trips to ensure safety and adherence to rules.
- Managed front-office visitor flow by greeting incoming individuals, answering questions, and directing traffic.
- Assisted library staff with clerical duties, including answering general inquiries in person, by phone, and over email, to lighten the overall workload.

Universal Associate Home Depot, Apple valley, MN | May 2023 -
Current

- Maintained order accuracy and timely fulfillment for to-go orders averaging 70+ per day
- Greeted customers and answered questions in a professional and friendly manner.

- Ensured smooth and efficient operation by collaborating closely with other associates.

RELATED EXPERIENCE: ROBOTICS & LEADERSHIP

Recruitment Chair NDSU Bison Robotics |

March 2025 –

Current

- Grew team membership by **15%** over one semester by analyzing recruitment data and implementing targeted outreach strategies.
- Led and organized all internal and external communication efforts, including giving presentations to **200+** potential members and faculty.
- Developed a structured onboarding curriculum and mentorship program for **10** new members, accelerating their integration into the technical sub-teams.
- Streamlined the application and interview process for new candidates using **Google Forms/Sheets**, reducing administrative time by **2-3 hours** per cycle.

Engineer Captain Rosemount High School, Irish Robotics |

September 2019 - March

2023

- Directed parts of the design and project, ensuring team safety and leading technical practice as a captain.
- Collaborated with teammates to create and iterate on prototypes.
- Built and tested various robotic parts.

VOLUNTEER WORK

- Assisted with organization, planning, and cleanup to support engaging, smooth-running FRC competitions in the Midwest and local Fargo-Moorhead school events.
- Supported special events and programs designed for children and early teens.

INTERESTS

- Martial Arts, Bodybuilding, Rock Climbing,