

# Trey Dunbar

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## Summary

Computer Science major with a Math minor at the University of Minnesota Duluth (GPA: 3.65). Experienced in software development, tutoring, and collaborative projects. Strong foundation in algorithms, automata theory, and applied mathematics. Skilled in C++, Java, Python, and Git/GitHub, with hands-on project experience in app development and database integration. Effective communicator and team player seeking a software engineering internship for Summer 2025.

## Education

**University of Minnesota Duluth** — Bachelor of Science in Computer Science, Math Minor *Expected Graduation: 2026*

- GPA: 3.65
- Relevant Coursework: Software Analysis & Design, Computer Organization & Architecture, Discrete Structures, Calculus I-II, Differential Equations, Linear Algebra, Statistics, Intro to Statistical Computing
- Upcoming Coursework: Software Engineering, Automata & Formal Languages, Security, Operating Systems, Calculus III

## Projects

### Game Board Nexus (Team Project)

- Collaborating with peers to develop a mobile app that connects board game enthusiasts.
- Implementing features for event posting, player matching, and game tracking.
- Repository: Game Board Nexus

### Tabletop Game Tracker (Course Project)

- Built a web app to track tabletop games, tournaments, and player events.
- Integrated Firebase for backend support and GitHub for version control.
- Repository: Team Project

# Experience

## Computer Science Tutor — University of Minnesota Duluth 2023 – Present

- Tutored students in programming (C++, Java, Python) and core CS concepts.
- Simplified complex topics in automata theory and algorithms to improve student comprehension.
- Supported two semesters of tutoring, reinforcing communication and teaching skills.

## Anchor Glass — General Laborer Summer 2025

- Operated and monitored glass bottle production lines to ensure quality output.
- Diagnosed mechanical jams and maintained workflow efficiency.
- Conducted inspections to identify defect patterns and ensure packaging accuracy.

## Target — Consumables Team Member 2022 – 2023

- Stocked and organized consumables section, maintaining accurate inventory.
- Collaborated with a focused team to unload and process deliveries under time constraints.
- Assisted customers with product inquiries and maintained store cleanliness.

## UMD Dining Services — Student Helper 2023 – Present

- Supported kitchen operations by sanitizing dishware and assisting chefs with food preparation.
- Maintained a clean, organized environment in a fast-paced dining facility.
- Contributed to a positive team dynamic in high-volume service.

# Skills

## Technical:

- Languages: C++, Java, Python, Dart (learning)
- Tools: Git/GitHub, Firebase
- Concepts: Automata theory, formal languages, computational models, software design

## Professional:

- Strong communicator and collaborator
- Experienced tutor and mentor
- Analytical thinker with quantitative reasoning skills