Bobby **Rust**

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Education

Education

Southern New Hampshire University
B.S. COMPUTER SCIENCE, CONC. SOFTWARE ENGINEERING, MINOR MATHEMATICS
GPA: 3.96

Manchester, NH
January 2022 – January 2026 (Junior)

National Society of Leadership and Success
ATTENDED ORIENTATION, LEADERSHIP TRAINING DAY (OBTAINED CERTIFICATION), SPEAKER BROADCASTS, AND
SUCCESS NETWORKING TEAMS EVENTS.

February 2023 – Present

Projects

EldenForge

ACHIEVING OVER **100 USERS** PER DAY. USES **GOOGLE GEMINI** TO GENERATE **AI** BUILDS. FEATURES INCLUDE
RANDOMLY GENERATING BUILDS, REROLLING INDIVIDUAL ITEMS, SELECTING THE NUMBER OF ITEMS TO GENERATE
PER CATEGORY, AND UNIQUE URLS TO LINK BUILDS TO OTHER USERS. ACTIVELY MAINTAINED AND UPDATED BASED
ON **USER FEEDBACK**.

TypeScript, React, TailwindCSS,
DaisyUI

eldenforge.vercel.app

AlgoDuels (in progress)

COMPLETE DSA PROBLEMS IN REAL-TIME WITH FRIENDS COLLABORATIVELY USING **SOCKET.IO** OR AGAINST EACH
OTHER IN DUELS MODE. UTILIZES THE **JUDGE0** CODE EXECUTION SYSTEM SELF-HOSTED VIA A **DOCKER** CONTAINER.

TypeScript, React, Go (Mux), Docker,
PostgreSQL, Socket.IO
github.com/algoduels,
github.com/algoduels-api

Experience

Experience and Coursework

AI Training

- Reviewed AI responses from real user chats on the subject of code generation, programming questions, debugging, and anything else code-related. Provided feedback that was used to refine and improve the AI model. Achieved Reviewer status due to high accuracy.

Data Structures and Algorithms: Analysis and Design

- Developed code as well as used non-coding development methodologies in algorithmic design and problem solving. Used advanced algorithmic designs to evaluate complex data structures to aid in problem solving.

Structured Database Environments

- Create structured database environments that incorporate basic processing functionality and allow for data management, data manipulation, and data analysis, and constructed and analyzed queries to address data requirements.

Technical Skills

	TypeScript, C/C++
Frameworks & Libraries:	Next.js, TailwindCSS
DBMS:	PostgreSQL, MySQL, MongoDB
Version Control:	Git