

Dylan Sharma

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Engineering Portfolio: www.dylansharmaeng.com

EDUCATION

Boston University College of Engineering

Bachelor of Science in Electrical Engineering

Activities: BU Hardware Club, BU Algorithmic Trading Club, BU Cleantech Club

Boston, MA

May 2028

The Hill School

Lead Prefect

Varsity Soccer Captain

PROJECTS

CPU/GPU VS FPGA AI INTERFERENCE BENCHMARK PROJECT

- Built a Keras neural network to classify machine sensor data
- Benchmarked CPU/GPU inference performance by measuring and comparing latency
- FPGA acceleration on an Alchitry Cu V2 using fixed point Verilog for direct hardware comparison

FPGA SAMPLE PROJECT

- Built a sample engine for a high frequency trading system
- Used EDA-Playground as the software
- Learned and wrote in Verilog code
- Presented to employees at Chicago Trading Company and Goldman Sachs

HARDWARE DESIGN PROJECT

- Created a remote controlled tank with mobility and shooting capabilities
- Used two servo motors connected to an ESP32 coded through C++ for the shooting mechanism
- Won first prize in the club competition

MECHANICAL GAME PROJECT

- Created a wheel powered ball shooter game with a moving target
- Used three stepper motors, a break beam sensor and two Arduino UNO boards coded through C++
- Won first prize for the project

SKILLS & INTERESTS

Languages: English, Chinese, French (Beginner)

Tech/Comp: Microsoft Excel, Python, Matlab, Verilog, C++

EXPERIENCE

Ramdeen's Electrical Contracting Corp.

New York, NY

Internship - Project Manager

July - August 2026

- Assisted with project management for electrical construction projects working with subcontractors, specialized materials and project documentation
- Performed on-site inspections to verify installation progression and project requirements
- Performed electrical takeoffs for estimation of bid pricing

Goldman Sachs

New York, NY

Shadowing

September 2025

- Shadowed the core engineering department and spoke to senior managers of Goldman Sachs
- Spoke to high frequency trading executives about the network systems used at Goldman, including FPGA and multi-platform coding
- Worked with a charity foundation at Goldmans giving opportunities to Low Income students in Bangalore