

Benjamin Streck

📍 New York, NY ✉ bstreck@cmu.edu ☎ (917) 302-3203 in benjamin-streck

Education

Carnegie Mellon University

BS in Electrical And Computer Engineering

Pittsburgh, PA

Aug 2024 – May 2028

- **QPA:** 3.06/4.00
- **Key Courses:** 18320: Microelectronic Circuits, 18-372: Fundamental Electrical Power Systems, 18310 Semiconductor Fabrication, 18290: Signals & Systems

The Browning School

High School Diploma - With Data Science Distinction

New York, NY

Sept 2020 – May 2024

Experience

Nucor Tubular Products

Electrical Engineering Intern

Decatur, AL

May 2026 – Aug 2026

- Assisted in adding safety upgrades to our tube mill, as well as developing a safer blade calibration procedure on our flying cut-off saw. The latter involved designing a new HMI Interface from scratch to introduce exclusivity to the operator performing that procedure. Both projects support an effort to meet Category III safety architecture across our mill line.
- Integrated new, more accurate position sensing in the entry end of our coil slitter.

Entertainment Services and Technology Association

Control Protocols Working Group & Stage Machinery Working Groups

New York, NY

Aug 2025 – Present

- Principal Voting Member on both working groups, responsible for writing and maintaining numerous ANSI standards for the entertainment technology industry. Currently heavily involved in the task group developing a future national standard for stage machinery control over the existing DMX-512 protocol.

Extracurricular Activities

Activities Board Technical Committee

Equipment Manager

Aug 2024 - Present

- Participating in student-run organization providing custom-tailored live event AV equipment and support for small, medium and large scale events.
- Responsible for maintaining and acquiring various types of lighting, sound, overhead rigging, and power distribution equipment.

Carnegie Mellon Sweepstakes

Operations Chairman

May 2026 - Present

- Coordinating with the Chair and outside stakeholders to ensure Buggy raceday is as safe and efficient as possible.
- Managing external contracts and coordinating with campus and city stakeholders throughout the academic year.
- Assisting in managing a six-figure operational budget across the academic year.

Carnegie Tech Radio Club (W3VC)

President

Sept 2024 - Present

- Carnegie Mellon's Amateur Radio club. Personally most involved in high-frequency RF antennas, and spearheading larger long-term projects.

Relevant Skills

Technologies: AC/DC Motor Systems, Siemens TIA Portal, Rockwell Studio 5000, Siemens and Rockwell PLCs/HMIs, Electronic Prototyping, Antenna Design and Construction, RF testing equipment, MATLAB, Signal Processing, Analog, Digital and Mixed-Signal Circuit Analysis and Design.

Certifications: FCC Amateur Radio General Operator Class (Callsign N2YBS), MEWP Type 1A/3A.