

Alexander Oh

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EDUCATION Candidate for **Align M.S. in Computer Science**, *Northeastern University*
Boston, MA | Sept '22 - Dec '24 expected

- CS5001 – Intensive Foundations of CS (Northeastern University)
- CS5002 – Discrete Structures (Northeastern University)
- CS2A - Object Oriented Programming Methodologies in C++ (Foothill College)

B.S. in Mechanical Engineering, *Northeastern University*
Boston, MA | Dec '19
Pi Tau Sigma Mechanical Engineering Honor Society

SKILLS **Languages:** C++, Python, HTML/CSS, MATLAB
Tools: Git, VSCode, Figma

PROJECTS **Towed Antenna Buoy for BIOSwimmer UUV**, *Senior Capstone Project*

- Designed a buoy that utilized novel gimbal mechanism to suspend a Wi-Fi module 6" above water to improve wireless performance
- Wrote MATLAB script to capture packet transfer performance from Wi-Fi module

EXPERIENCE **Mechanical Engineer**, *Entegris (Ultra-High Purity Bulk Gas Purifiers)*
San Luis Obispo, CA | Jul '20 – May '22

- Project engineer for next-gen cryogenic hydrogen purifiers

Integration & Test Engineering Co-op, *NASA Jet Propulsion Laboratory*
Pasadena, CA | Jan - Jun '19

- Designed ground support equipment for Perseverance Rover testbeds

Consumer Product Engineering Co-op, *Bose*
Framingham, MA | Jan - Jun '18

- Conducted exploratory user studies for new consumer product teams

Manufacturing Engineering Co-op, *Analogic (CT Scanners)*
Peabody, MA | Jan - Jun '17
Designing CT scanners and X-ray detector modules for medical and security uses.

- Wrote assembly documentation for new CT scanner main power distribution unit
- Provided general engineering support for manufacturing department