

## SEAN BALBALE

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Portfolio Site: <https://cherrybrooknetworks.dev/>

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<b>education</b>	<b>NORTHEASTERN UNIVERSITY</b>	<b>BOSTON, MA</b>
Present - 2023	<b>Bachelor of Science in Computer Engineering and Computer Science, expected June 2027</b> Member of the chorus. Coursework includes Fundamentals of Computer Science 2, Embedded Design: Enabling Robotics. GPA: 3.60/4.00.	
2019 - 2023	<b>WESTON HIGH SCHOOL</b> Graduated with 3.70 / 4.00 GPA Honors Program. <i><b>Captain</b></i> , Weston Wayland Crew. <i><b>Musical Director</b></i> , Weston Town Criers, school's all-boys a cappella group. <i><b>Member</b></i> , Varsity Ski Team.	<b>WESTON, MA</b>
<b>skills</b>	PYTHON - 10+ YEARS // JAVA - 8 YEARS // C++ - 2 YEARS // JAVASCRIPT - 3 YEARS // MATLAB - 2 YEARS // ARDUINO - 5 YEARS // LINUX - 7 YEARS // CUSTOMER SERVICE - 5 YEARS // TECHNICAL SUPPORT - 5 YEARS // REACT - 4 YEARS // WINDOWS - 7 YEARS // 3D PRINTING - 6 YEARS // NEXT.JS - 3 YEARS	
<b>certifications</b>	PYTHON (BASIC) CERTIFICATE // HACKER RANK (b32fbd9cf960) PROBLEM SOLVING (BASIC) CERTIFICATE // HACKER RANK (a40376df1af9) JAVASCRIPT (BASIC) CERTIFICATE // HACKER RANK (0e91673ed66e)	
<b>experience</b>	<b>EAST COAST METROLOGY: A DIVISION OF IN-PLACE MACHINING COMPANY</b>	<b>TOPSFIELD, MA</b>
Summer 2024	<b>Metrology Intern.</b> Conducted in-house and on-site calibrations and precision measurements for metrology company. Calibrated high performance measuring equipment including portable CMMs, total stations, large-volume scanners, and laser trackers. Measured engineering parts for clients to make sure they matched CAD tolerances.	
May 2023	<b>TITAN ADVANCED ENERGY SOLUTIONS</b>	<b>SALEM, MA</b>
	<b>Intern.</b> Titan's IonSight technology scans electric vehicle battery cells and flags dangerous anomalies using ultrasound technology. Wrote software to help visualize ultrasound sensor data by waveforms as a complement to heat maps. Assisted the lab team to scans of the batteries for analysis.	
March 2019 - Present	<b>CHERRYBROOK NETWORKS</b>	<b>WESTON, MA</b>
	<b>Freelance Software and Technical Support.</b> Started technical support and software development business to support local companies and nearby students and parents. Installed and configured software applications, designed and built custom computers, installed Wi-Fi systems, automated cloud backups.	
June 2023 - January 2024	<b>WARBY PARKER</b>	<b>BOSTON, MA &amp; CHESTNUT HILL, MA</b>
	<b>Apprentice Optician.</b> Worked 5 hours/week during my school year in Boston and full time during the summer. Validated prescriptions, took optical measurements, and sold glasses. Greet customers and handle customer complaints calmly. Had the highest sales number for the Northeast for three of the eight weeks while working full-time during the summer.	
October 2022 - May 2023	<b>WESTON PUBLIC SCHOOLS</b>	<b>WESTON, MA</b>
	<b>Teaching Assistant.</b> Assisted the Weston High School engineering teacher in developing course curriculum and running classes. Wrote and graded quizzes for his physics and high school engineering courses. Maintained workshop tools, including laser cutters, 3d printers, band saws, and other woodworking tools.	
<b>projects</b> (See portfolio site)	<b>15-112: FAIL EARLY AND OFTEN.</b> Developed a roguelike game using python for CMU 15112 term project. Roguelikes are defined by their procedural generation, permadeath, and turn based nature. <b>CHERRYBROOK NETWORKS.</b> This is my personal portfolio website, which I made to learn Next.js, React and Tailwind and to practice using CSS, JavaScript and HTML. <b>CS 2510 PROJECT 2.</b> Made a Java-based image editing application for CS 2510 at Northeastern. It has an interactive menu and uses seam carving to resize images.	
<b>personal</b>	Love to cook. Wrap a mean samosa and a can create a killer katsu ramen. Enjoy lifting weights, running, and getting off an Erg after a 2K sprint.	