

Amogh Jambekar

Bridgewater, NJ

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EDUCATION

NORTHEASTERN UNIVERSITY

Bachelor of Science in Computer Engineering

- Incoming Fall 2025

Expected May 2029

Boston, MA

BRIDGEWATER-RARITAN HIGH SCHOOL

High School Diploma (4.35/4.0 GPA)

- SAT: 1510/1600
- **Relevant Coursework:** Data Structures and Algorithms (CS112), AP CSP/CSA, AP Physics 1, AP Physics C (E&M + Mech.)
- **Notable Activities:** Quantum Computing Club (President, Founder), FRC Team 303 (Captain), BREngineering (President)

June 2025

Bridgewater, NJ

SKILLS

- **Languages:** Python, Java, C++, HTML/CSS, JavaScript, TypeScript, Qiskit, Q#, Cirq
- **Frameworks:** Astro, TailwindCSS, Tkinter, PyTorch, MDX,
- **Developer Tools:** Jupyter Notebooks, Numpy, Pandas, Matplotlib, PostCSS, Autoprefixer, Zod

EXPERIENCE

HOLONYM FOUNDATION

Mobile App Development Intern

- **Engineered** a Swift-based iOS app using local passport scanning and parsing to enable users to generate **zero-knowledge proofs** (ZKPs) for private identity verification;
- **Developed 15+ unit and integration tests** using **XCTest** and conducted security audits to ensure cryptographic integrity and compliance with App Store guidelines;
- **Contributed** to deployment automation using CI/CD tools, facilitating a smooth App Store launch and achieving **3,000+ secure downloads**.

Summer 2024

Washington, D.C.

iCODE BRIDGEWATER

Instructor

- **Taught 250+ students** over **two years** in year-long classes and summer camps, covering Python, C++, Java, Scratch, Web Dev, Roblox Studio, Minecraft Education, and VEX IQ Robotics;
- **Delivered 600+ hours of instruction** tailored to age and skill level, fostering engagement in coding, game design, and robotics.

October 2023-

Bridgewater, NJ

FRC TEAM 303

Captain

- **Led 300+ students** through robot design, fabrication, and programming across 4 seasons, engineering 4 competitive robots and mentoring subteams in CAD, control systems, and strategic game analysis;
- **Rebuilt** team operations and morale post-Hurricane Ida **after \$1M in facility losses**, securing **\$250K in new sponsors**, reallocating resources, and guiding the team to the FMA District Championships 3 times;
- **Achieved** a cumulative **56-32 match record** and **earned 12 awards** with **3 event wins**, including **Quality and Engineering Inspiration Award**, through data-driven scouting, iterative prototyping, and alliance strategy leadership.

December 2021-

New Jersey, USA

PROJECTS

PERSONAL WEBSITE | *Astro, TailwindCSS, TypeScript, MDX*

May 2025

- Developed a full-stack portfolio website with a dynamic main page featuring experience, projects and education, validated blog with tag filtering, and a password-protected photos section unified by an intuitive navbar;
- Implemented content validation handling 10+ blog posts, tag-based filtering reducing search time by 40% and storing 80+ photos.

QUICK | *Swift*

April 2025

- Built a lightweight post-it note app with an editable floating timer, used by 200+ testers and optimized for minimal resource use ahead of App Store launch.