

TIMOTHY WRIGHT

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Education:

Boston University, Boston, MA

Bachelor of Science in Computer Engineering

May 2028

- **Double Concentration** in Robotics and Machine Learning | **Minor** in Chemistry | Pre-Medical Track.

Professional Experience:

Carnegie Mellon University, Pittsburgh, PA

Jun 2026 - Present

Service Vendor: Lead Software Engineer

- **Commissioned** to lead and develop a full-stack web application for First-Generation, Low-Income academic and resource equity via **mentor connection systems** and **personalized resource portal**.
- **Applied** Google's Gemini API, Next.js, Tailwind, and Supabase for data management, direct messaging, and web search.

Biomedical Optical Technologies Lab, Boston, MA

Feb 2026 - Present

Undergraduate Researcher

- **Conducted data analysis** for a wireless Speckle Contrast Optical Spectroscopy wearable for cuffless blood pressure measurement, evaluating 27 clinical subjects across 80+ cardiac features.
- **Applied** supervised **machine learning** model **XGBoost** to **predict** blood pressure and **classify** hypertension using 700+ **engineered** cardiac waveform **features**.
- **Analyzed and presented** 700+ cardiac waveform features from hypertensive and non-hypertensive subjects to identify feature patterns relevant to cuffless blood pressure estimation.
- **Utilized** Computer-Aided design via **Autodesk Inventor** and **additive manufacturing** to develop attachable base for wireless wearable benchmark testing.

OpenAI, San Francisco, CA

Oct 2025 - Present

ChatGPT Lab Member

- **Selected as 1 of 28 students nationwide** to collaborate with OpenAI and peers on testing and refining ChatGPT features used for enhancing learning, career development, and everyday productivity.
- **Evaluated** early-stage ChatGPT features, including Images 2.0, 5.5 Instant, Memory 2.0, and Work Mode by providing **structured feedback** on usability, learning workflows, and model behavior.

Boston University Hack4Impact, Boston, MA

May 2025 - Apr 2026

Lead Software Engineer

- **Led a cross-functional team** of 3 software engineers, a project manager, and a UI/UX designer.
- **Oversaw** development of a **full-stack platform** serving 100+ users, with emphasis on secure data handling, scalability, and nonprofit client requirements.

Kingman Unified School District #20 (KUSD), Kingman, AZ

Sep 2023 - Jan 2025

Information Technology Apprentice

- **Maintained district IT operations** for **700+ staff** and **6,700 students**. Supported endpoint, network, and cybersecurity operations across district IT systems.
- **Executed 650+ device decommissions**, performing imaging, data sanitization, and logistics for secure **resale of 400+ systems**.
- **Resolved 700+ Help Desk tickets** and provided multi-channel technical support (in-person, phone, and remote) for **400+ users**.

Skills:

- Languages: Python, C++, C, MATLAB, Java, C#, JavaScript/TypeScript, HTML/CSS, SQL.
- Frameworks/Tools: Git, React, Next.js, Supabase, PostgreSQL, Express, Gemini API.
- Engineering/Data: Algorithms, Data Analysis, Computer Vision, Control Theory, Robotics.

Relevant Courses:

- EC327 Software Engineering (Grade: A); EC330 Applied Algorithms for Engineers (Grade: A).