

Josh Cacayan

joshacacayan@gmail.com | 610-462-7527 | Reading, PA | <https://linkedin.com/in/josh-cacayan> | <https://joshacacayan.site>

Career Objective

Motivated computer science master's student with hands-on experience in full stack web development, AI integration, and cloud deployment. Seeking a career to display technical expertise and problem solving in the field of computer science. Looking for software development opportunities from winter 2025 to summer 2026.

Work Experience

- **AI Integration and Education Specialist GA at Kutztown SBDC** August 2025 – Present
 - Advised small businesses in enhancing their website **SEO performance** and ensuring **ADA accessibility** compliance.
 - Designed and optimized **Custom GPT models** through advanced **prompt engineering** to streamline SBDC operations and improve client service efficiency
- Remote **Computer Science Internship at Sports Media Inc** May 2025 – Present
 - **Led a sub-team of 10+ interns** using the **Agile methodology** to build a **sports social media website** showcasing **game data and articles**.
 - Built RESTful API services in **Python** (Flask) to fetch statistical sport data from external sport **REST APIs** with **Postman**, cached with **Redis**, and displayed via **React**
 - Created **Dockerfiles** and configured **Nginx** for containerized consistent development environments
 - Managed version control using **Git** and **GitHub** for collaborative software development
 - Stored information such as user data and game data on **PostgreSQL** database

Projects

- **VibeLog** (Interdisciplinary Rapid Prototyping)
 - Led a team of three using **Agile Scrum methodology** to develop an AI-powered journaling web app.
 - Integrated **Google Gemini API** and applied **prompt engineering** to analyze daily journal entries and provide mental health advice on how to make one's day better.
 - Developed the backend in **PHP/PostgreSQL** for storing user's journal entries and created interactive visualizations of emotional trends using **Plotly.js**.
 - **Containerized** the application with **Docker**, deployed on **AWS EC2** with **nginx** for scalable access.
- **Plant Pro** (Software Engineering, Senior Capstone)
 - Developed a full-stack web application to monitor plant health, implementing backend services in **PHP** and **PostgreSQL** database.
 - Contributed to **frontend design** for visualizing hardware sensor data; hosted through an **AWS EC2** instance.
 - Collaborated with hardware developers to integrate real-time sensor data via an external **REST API** for live monitoring and analysis
- **Network Chat** (Network Programming)
 - Collaborated with 3 team members to create a **socket-based** chat application in **Python**, enabling real-time communication between clients and a centralized server.
- **Baccarat** (Java Programming)
 - Implemented a modular Baccarat card game with **JavaFX** applying **Java OOP principles**.

Skills

- **Programming languages:** Python, Java, PHP, JavaScript, C++, C, SQL (PostgreSQL), HTML5, CSS3, x86 Assembly
- **Tools and Technologies:** Docker, AWS, Git/GitHub, Redis, Nginx, Supabase, Power BI, Weka, Gemini API, Postman
- **Libraries/Frameworks:** Flask, React, Plotly.js, Pandas, Seaborn, JavaFX
- **Other:** Linux, Windows, Leadership, Team Collaboration, Interpersonal Communication

Education

- **M.S in Computer Science** Kutztown University of Pennsylvania May 2026
- **B.S in Computer Science** Kutztown University of Pennsylvania May 2025