

## Josh Cacayan

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(joshacacayan.site)

### Career Objective

Motivated computer science 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 fields of computer science and information technology.

### Work Experience

- Remote **Computer Science Internship at Sports Media Inc** May 2025 – December 2025
  - Led a sub-team of 7 interns using a hybrid **waterfall** and **agile based model** to deliver frontend and backend features
  - Built backend RESTful API services in **Python** (Flask) to fetch data from external **REST APIs**, 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 on **PostgreSQL** database schemas
- Incoming **AI Integration and Education Specialist GA at Kutztown University** August 2025 - May 2026

### Skills

- **Programming languages:** Python, Java, PHP, JavaScript, C++, C#, C, SQL (PostgreSQL), HTML5, CSS3, x86 Assembly
- **Tools and Technologies** Docker, AWS (EC2, RDS), Git/GitHub, Redis, Nginx, Supabase, Power BI, Weka, Gemini API
- **Libraries/Frameworks:** Flask, React, Plotly.js, Pandas, Seaborn, JavaFX
- **Other:** Linux, Windows, Leadership, Team Collaboration, Interpersonal Communication, Spanish

### Projects

- **VibeLog** (Interdisciplinary Rapid Prototyping)
  - Led a team of three using **Agile Scrum methodology** to develop an AI-driven journaling web app which uses **Google Gemini** to analyze daily journal entries and provide personalized mental health advice
  - 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 database schemas in **PostgreSQL**
  - Contributed to **frontend design** for visualizing raspberry pi sensor data; hosted through a **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 GUI** applying **Java OOP principles**.
- **Video Game Comparative Analysis** (Advanced Scientific Programming)
  - Analyzed video game datasets using **python libraries** such as **pandas** and **seaborn** to create insights on how external factors influence player preferences

### Education

- **M.S in Computer Science** Kutztown University of Pennsylvania August 2025- May 2026
- **B.S in Computer Science** Kutztown University of Pennsylvania August 2021- May 2025