

Josh Cacayan

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Career Objective

Motivated computer science graduate 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.

Work Experience

- Incoming **AI Integration and Education Specialist GA** at **Kutztown University** August 2025 - Present
- Remote **Computer Science Internship** at **Sports Media Inc** May 2025 - Present
 - **Led a sub-team of 7 interns** 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**, 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.
 - Prompt-engineered **Google Gemini** 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 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.

Skills

- **Programming languages:** Python, Java, PHP, JavaScript, 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

Education

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