

EVAN HWANG

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EDUCATION

Rutgers, the State University of New Jersey - New Brunswick
Bachelor's, Computer Science, Mathematics

September 2024 - May 2028
GPA: 4

PROFESSIONAL EXPERIENCE

Rutgers, the State University of New Jersey - New Brunswick
Grader

New Brunswick, NJ, USA
September 2025 - Present

- Graded homework assignments for two sections of Multivariable Calculus

Rutgers, the State University of New Jersey - New Brunswick
IT Consultant

New Brunswick, NJ, USA
May 2025 - Present

- Delivered front-line IT support via phone and email with clear, user-friendly communication
- Escalated complex cases to senior IT staff with concise documentation and context
- Maintained accurate records of support tickets and ensured timely follow-up

Estate Parrot
Founding Software Engineer

Nyack, NY, USA
January 2025 - August 2025

- Developed a think-sense-act AI pipeline enabling context-aware tool calls tailored to client-specific tasks.
- Optimized Cloud SQL queries, reducing request time from 8 minutes to seconds through indexing and refactoring.
- Created a tool that scrapes real estate listings and auto-generates social media posts with property details.
- Used GitHub to manage feature branches, enforce code reviews, and automate testing before deployment.
- Designed a service to parse emails for events, schedule them in Google Calendar, generate Google Meet links, and send invites.
- Built a triangular grid system in Blender to capture key-point photos and interpolate frames at arbitrary positions.

Northern Valley Regional High School at Old Tappan
Artificial Intelligence Curriculum Development Intern

Old Tappan, NJ, USA
April 2024 - May 2024

- Helped develop a curriculum that later secured U.S. Department of Education grant funding for AI education.
- Created interactive lecture plans showcasing best practices for AI applications in computer science.
- Prepared AI-focused projects for implementation including web scrapers and virtual reality apps in Unity.

PROJECTS & OUTSIDE EXPERIENCE

Break GPT

June 2020 - Present

- Built full-stack web application with Next.js frontend and Flask backend to study LLM prompt injection vulnerabilities
- Designed 9-level progressive difficulty system with dynamic AI behavior modification and real-time guardrail testing
- Implemented comprehensive logging pipeline to capture user strategies and AI responses for social engineering research
- Integrated Google Gemini API with secure mock execution environment for simulating high-risk AI operations

Vault

April 2025 - April 2025

- Created a DevOps solution to handle secure communications and file-sharing
- Implemented a hierarchical permission system to mitigate unauthorized access risks by bad actors
- Won 1st place at the Rutgers 2025 ColorStack Hackathon for building a secure DevOps pipeline

Foreign Language Learning Platform

June 2025 - Present

- Built a multi-modal OCR system using enhancement algorithms; improved confidence by 300% over baseline.
- Developed a custom NLP model with reinforcement learning to deliver tutor-like feedback tailored to student needs.
- Created authentication system using Google OAuth and PostgreSQL for account creation and session management.
- Used Flask to serve the full-stack app, with Dockerized deployment for consistent runtime across environments.

SKILLS

Skills: Git, HTML/CSS, Java, MATLAB, Python, Excel/Numbers/Sheets, JavaScript, TypeScript, Pytorch, C#, C/C++, SQL, React.js, Node.js, JUnit, NumPy, OpenCV, Unity, Google Cloud Platform