

Tom Perel

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EDUCATION

Northwood High School

Irvine, CA

Relevant Coursework: Data Structures & Algorithms, AP Computer Science A, AP Statistics Aug. 2021 – June 2025

Irvine Valley College

Irvine, CA

Computer Science

Expected graduation 2029

- Technical Officer of the IVC Artificial Intelligence Club
- Member of the IVC Honors Program
- Participant in the RAMP research program
 - * Working in a team of 4 honors students on research into NLP Personalization
 - * Planning to present at the HTCC conference (UC Riverside) & Bay Honors Symposium (Stanford)
- Member of the IVC Computer Science and MedAI Clubs

EXPERIENCE

AI Research Intern

June 2025 – Present

Turing

- Working with AI agents to optimize LLM training data and reasoning traces for advanced college coursework through research for high-profile clients such as OpenAI, Google, and Anthropic.

Website Developer

Sep. 2025 – Present

HackCC

- Created documentation for new onboards about setting up the environment using VirtualBox & Ubuntu. Documentation covers Docker setup, VSCode Setup, Connection to Git, Potential troubleshooting, and helpful resources.
- Developed the front-end for the attendee dashboard using React and Typescript, which displayed crucial information for over 100 participants of the HackCC hackathon.

Financial Analyst

July 2023

CytoReason

- Worked with VP finance on financial analysis of P&L data
- Calculated ratios such as ROE, ROA, and Gross profit margin by reading 10-K filings.

PROJECTS

Evaluating Adversarial Vulnerabilities in Modern Large Language Models | *Pandas, Matplotlib, LaTeX*

- Won "Outstanding Oral Presentation" out of 160 participants for solo research on 'Evaluating Adversarial Vulnerabilities in Modern Large Language Models' at the IVC/Saddleback Research Symposium
- Wrote and published a full research paper on arXiv
 - * Cleaned and calculated statistics using Pandas
 - * Visualized important data using Matplotlib

Clash Royale Computer Vision | *OpenCV, MSS, Android Debug Bridge*

- Connects the BlueStacks 5 emulator to Visual Studio Code through ADB (Android Debug Bridge)
- Identifies the current game state and can act accordingly
 - * Developed a computer vision system using OpenCV to interpret game states, utilizing template matching for UI navigation and pixel analysis for dynamic resource (elixir) tracking
 - * Using MSS for high-speed screen capture to gather visual data from the emulator

CERTIFICATIONS

Freecodecamp: Responsive Web Design, Scientific Computing with Python

CyberForward Academy: Received the "Foundation Certified" certification following a semester-long class on AI & Cybersecurity