Rex Hall

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EDUCATION

Lowell High School, San Francisco

Grades 9th-12th **Expected Graduation: June 2027**

APs: Eng. Lang. Comp., Computer Science Principles, Human Geo., APES

SAT Score: 1450

GPA: 3.86 UW 4.02 W

AWARDS

All American Cheerleading **2024-2026**

UCA All-American in 2024 and 2025

AP Scholar Award **2026**

College Board award for AP exam performance

Hack for Humanity

Runner-up, Best Use of Gemini prize

PROFESSIONAL EXPERIENCE

ScalientIQ

Software & AI Intern **Summer 2026**

- Built and shipped an answer engine optimization (AEO) engine as a production product.
- Designed and orchestrated multi-agent coding workflows covering planning, implementation, debugging, and iteration.
- Reviewed, debugged, and refined agent-generated code before integrating it into production features.
- Built the live connections page on the company website.

San Francisco Recreation and Parks Department

Pool Assistant Intern **Summer 2024**

- Supported pool maintenance and safety monitoring for a clean, secure, and compliant facility.
- Helped teach swim lessons to kids aged 4-12.
- Resolved visitor questions and concerns in a fast-paced public setting.

PROJECTS

TUFF

macOS app that runs LLMs too large for a device's RAM using memory streaming and a custom kernel. Extended a fork of turbo-fieldfare to support 9 models, running 100B+ parameter models on 16GB machines.

IPABREW

Hackathon project built with a team: a web app that helps linguists reconstruct proto-forms of words using ML and algorithmic methods. Actively developing it further, applying newer ML techniques to improve reconstruction quality.

JISHIN

Tower-defense game built in Godot (GDScript) and published on Steam, covering the full cycle of game design, development, and release.

TECHNICAL SKILLS & AI TOOLS

Python	PyTorch	React
JavaScript/HTML/CSS	Pandas	Git
Ruby	Godot/GDScript	NumPy
Claude Code	Codex	OMP

EXTRACURRICULAR ACTIVITIES

Lowell AI Club

Member

- Followed and discussed new AI model releases
- Discussed Lowell AI policy
- Built group ML projects in PyTorch

Lowell Boba Club

Public Relations Officer

- Ran Boba Club Instagram
- Sent out emails to the community
- Helped run meetings

Lowell High School Varsity Spirit

Team Member

- Named UCA All-American
- Competed at local and regional competitions
- Never missed or arrived late to practice

Lowell Japanese Honor Society

Member

- Graded students' work
- Tutored students in Japanese
- Helped maintain a positive learning environment

Lowell High School JV Swim

Team Member

- Helped my team win All Cities
- Swam
- Attended meets and practices

Lowell Armenian Club

Member

- Learned about my culture
- Helped run a fundraiser
- Helped teach the community about Armenia