

Jacob Chiu

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2024-06-17

EDUCATION

Henry M. Gunn High School

Palo Alto, CA

GPA (UW) 4.0/4.0; GPA (W) 4.3/5.0; GPA (W 10–12 A–G) 4.7/5.0

Aug 2022 - Present

- **Relevant Coursework:** Algebra II/Trigonometry H, Analysis H, Biology H, Chemistry H, Functional Object Oriented Programming H, AP Computer Science A
- **Extracurricular Activities:** Card Game Club president

Irvine Valley College

Irvine, CA

GPA 4.0/4.0

Jul 2022 - Present

- **Relevant Coursework:** Intro to Psychology, Mass Media and Society, Intro to Computer Systems, Engineering Graphics and Descriptive Geometry, Intro to Engineering and Technology (IP)

Additional Coursework:

- BYUIS: Small Engine Repair
- Coursera: Programming for Everybody (Getting Started with Python), Python Data Structures, Using Python to Access Web Data

EXTRACURRICULARS

Synopsys Science Fair

San Jose, CA

Competitor

Jan 2023 - Present

- 2023 project: [Water Boiling Device with Heat Exchanger-Based Preheating to Produce Potable Water with Increased Energy Efficiency](#)
- 2024 project: [Compact Ferrofluid Pump for Laptop Liquid Cooling to Improve Cooling Performance Over Heat Pipes](#)

Repair Café/Fixit Clinic

San Francisco Bay Area, CA

Fixer

Aug 2023 - Present

- Assist people in fixing their broken household items, mostly appliances. (Read about it [here](#).)

Michigan Math and Science Scholars

Ann Arbor, MI

MMSS Participant; Sustainable Polymers

Summer 2023

ADDITIONAL

- **Community Service:**
 - Dream Catchers (Spring 2024) : tutor students at local middle school to prepare them for High School
- **Programming:**
 - Java, Python, Arduino, Scheme
- **Handy skills:**
 - Electronics and torch soldering, basic hand tool operations (filing, sawing), drilling, very basic CAD modeling with FreeCAD, 3D printing, AutoCAD [certified user](#)
- **Languages:** Mandarin (Intermediate, cannot read/write), Cantonese (Advanced/Fluent, cannot read/write), Spanish (Intermediate)
- **Additional Projects:** See my website: [jacobchiu.com](#)
 - Gedit word counter, custom alarm clock, zinc casting, typewriter restoration, etc.