

# Xavier Royer

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[GitHub](#) | [Itch page](#)

## Academics

### Achievements:

- Valedictorian
- National Merit Scholarship Finalist
- Outstanding IB Student of the Year
- Boys State Alternate
- 1550/1600 SAT
- 5/5 on AP Stats, Gov, Psych and Euro History
- 7/7 on HL Math, HL Hist, SL CS, SL Phy, SL ESS
- 42/45 IB diploma

### Research

- Researched and wrote a 4,000 word, 40 page, paper on catapult optimization (IB Extended Essay).

## Leadership and Community Service

### Boy Scouts

- Eagle Scout
- Patrol Leader (x3); Senior Patrol Leader; Scribe

### Robotics Club

- 2 year team captain 2022-2024
- 1 year vice president 2023-2024

### Community Service

- Eagle Scout Project: Created two bulletin boards for local high school, 70 personal hours, 172 collective.
- Robotics Camp: Planned and led a free week long robotics camp for middle/elementary students. Taught valuable STEM skills to 26 kids. 68 personal hours.

## Technical Experience

### Programming:

- Developed a Circular Calendar display app for a client in Godot, using full software documentation (UML, flowcharts, success criteria, user manual) and refining through iterative client feedback in an agile workflow.
- Developed a Java-based Blackjack game with local multiplayer, betting, and splitting features.
- Released four games using Godot, two of which to spread environmental awareness.
- Created community Discord bot to track weather, AQI, and play games in Python.
- Developing a team project mobile game using GitHub, currently in beta release.
- Experience with Python, Java, Godot, GitHub, APIs and spreadsheets.

### Coding Competitions:

- 4th in non-university ACPC
- 3rd in HTPE code wars

## Athletics

**Cross Country:** (4 yrs; MVP 2022, All-League 2024, Jason Davidson Award 2024)

**Basketball:** (2yrs; Coach's Award 2022, Student Athlete Award 2023)

**Track:** (4 yrs varsity)