

# Sawyer Shoemaker

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## EDUCATION

Seneca Valley Senior Highschool  
*Junior*

**Zelienople, PA**  
*Graduation Date: Jun 2026*

GIAC Certifications  
*GFACT Certified*

**Pittsburgh , PA**

## WORK EXPERIENCE

**Adapt Forward**  
*IT Support & Research*

**Charleston, SC**  
*Jun 2024 - Present*

- Achieved Secret clearance at the age of 16, demonstrating exceptional commitment to professional development.
- Collaborated with industry leaders in cybersecurity and assisted them with various tasks.
- Executed comprehensive system vulnerability scans on over 500 devices, identifying security threats and enhancing overall network integrity, significantly reducing potential breaches.

## PROJECT EXPERIENCE

**Clockwork**  
*Founder, developer*

**Pittsburgh, PA**  
*Dec 2024 - Present*

- Engineered an advanced AI using Node.js that achieved a 95% accuracy rate in playing Minecraft murder mystery, streamlining decision-making processes with a lightweight single-thread architecture.
- Developed and testing machine learning algorithms which reduced computational resources by 65%, enabling real-time gameplay for users without lag or performance issues.
- Conducted extensive testing and optimization of the model, resulting in a 150% improvement in response time compared to previous iterations.

**TrueMiniplayer**  
*Developer*

**Pittsburgh, PA**  
*Feb 2025 - Present*

- Engineered advanced timing algorithms utilizing Service Worker API (SWA) to significantly reduce latency issues, resulting in a seamless playback experience that improved video load times by 200% compared to the standard miniplayer.
- Developed a Chrome extension that enhanced user experience by optimizing YouTube's miniplayer functionality, resulting in a 40% increase in multi-tab usage and engagement across video content.

## SKILLS & INTERESTS

**Skills:** Python, Javascript, HTML/CSS, Node.js, Git, Networking

- Interests:**
- Reverse Engineering
    - Red Team exercises
    - Data & Statistic tracking
    - Automation
    - Hardware exploitation