

Ansel Stanik

STUDENT Portland, Oregon

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High school student and developer with experience in web, software, and game development. Experienced leader managing project teams of 6+ people to win state-wide competitions. Diverse skills in computer science and project management. Member and leader in extracurricular, band and computer science programs.

EXPERIENCE

- **Researcher** *Oregon Health & Science University | Portland, Oregon | 2024 - Present*
 - AI research to improve early glaucoma detection and screening
 - Worked with OHSU to write and submit scientific journal paper
 - Particle Image Velocimetry and Traction Force Microscopy image analysis
- **Development Lead** *Fractal Development | Portland, Oregon | 2023 - Present*
 - Managed game development team of 6 people over 8 months
 - Won game design and programming award out of 40 high school teams at state competition
 - Designed complex, high-performance procedural generation in Unity to accommodate 2500km² of terrain, rendering 100,000+ foliage instances in realtime
 - Used project management and marketing tools to fulfill roles as team lead, programming lead, and marketing manager
- **Programming Lead** *FTC Team 22506 | Portland, Oregon | 2023 - Present*
 - Wrote codebase for 4 real-world robot subsystems
 - Designed autonomous navigation software using onboard AI image classification
 - Embedded microcontroller experience in Java
- **Developer** *Unaffiliated | Portland, Oregon | 2023 - Present*
 - Created Seafoam, a web app with over 25,000 visits
 - Developed Planck private peer-server-peer encrypted messaging software
 - Participated in Congressional App Challenge with infinite question generation study app
 - Published NPM backend packages with 2,000+ downloads

References available upon request

EDUCATION

Ida B. Wells High School

Expected Graduation: 2025

- Unweighted GPA 4.0
- SAT 1570 - 790 Math, 780 EBRW

SKILLS

- Game Development in Unity
- Programming in C#, JavaScript, Java, Python
- 3D Modeling in Blender
- Video and Photo Editing with Adobe Suite
- Calculus and Algebra Skills
- Software Development with Tauri
- Team & Project Management
- Web Development with Next.js
- Graphic Design and Marketing
- Data Analysis with Python

AWARDS

- FIRST Robotics Innovation Award 2024
- Oregon Game Project Challenge Programming Award 2023, Game Design Award 2024
- American Mathematics Competition Won 9-10th Division 2022