

Sigmond Kukla

Entrepreneur, Tech Tinkerer, and Aspiring Computer Engineer

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🔗 <https://sigmondkukla.dev>

WORK EXPERIENCE

PicoPlanet Developing

Small Business Owner

Nov 2017 - Present

- Self-taught hobby game development that I turned into a business
- Originally released free VR games for Google Cardboard headsets
- Now published two paid games on the Meta Quest platform

Simcoach Games

Summer Apprentice

June 2023 - July 2023

- Built—and helped peers to build—game development skills including Unity, C#, and Maya
- Worked small teams on two self-directed transformational games aimed at children with autism/other neurodivergent disorders

Absolute Value Tutoring

Curriculum Designer and Teacher

May 2023 - Present

- Designed and taught multiple Python programming courses for middle school-aged students

EDUCATION

Mount Lebanon High School

- 5.2 GPA

June 2024

- Took H. Chemistry, AP Chemistry (5), H. Algebra 2, and H. Applied Engineering accelerated in middle school
- 7 AP classes to date, 9 by graduation
- 5 on both AP Physics C exams by 11th grade and 5 on AP BC Calculus 10th grade
- 3 Project-Based Independent Study courses this year after finishing available science curriculum

SKILLS

Python ●●●●●

Hardware and Systems ●●●●●

Unity, C#, and Blender ●●●●●

Network and IT ●●●●●

Vue ●●●●●

C++ ●●●●●

PROJECT

Crop Craze

Winter 2020 - Summer 2021

- First published paid VR game for Meta Quest VR headsets - see sigmondkukla.dev/crop-craze

Target Analysis

May 2021 - Present

- Open-source smallbore and air rifle target scoring software with accuracy rivaling commercial systems - see github.com/PicoPlanetDev/Target-Analysis
- Used by the Mt. Lebanon High School Rifle Team at practices and WPIAL matches

Independent Study

2023-2024 School Year

- 1st semester: Calendar and Pill Dispenser for Alzheimer's disease and dementia patients
- 2nd semester (1): Olympic-style electronic rifle firing point system
- 2nd semester (2): AssemBLOCKS - an educational VR game teaching assembly with 6502 microprocessor