

Matthew Albrecht

W216N5852 Memorial Dr
Menomonee Falls, WI 53051
mattparks5855@gmail.com
(414)-429-1461

EDUCATION

Hamilton High School, Sussex Wisconsin

2014 - 2018

- 3.0 Cumulative GPA
- AP courses: Calculus BC, Physics 1, Physics 2, Comparative Government and Politics, United States Government and Politics, Macroeconomics

EXPERIENCE

FIRST Charger Robotics, Sussex Wisconsin – Programmer

2014 - 2018

Responsibilities

- Developing code to be run in a competitive environment
- Teaching members in C++ and Java
- Debugging in complex running environments
- Documentation of various active processes

Achievements

- Reliable management, and a new project structure
- Creation of OpenCV vision tracking
- Development of inverse kinematic swerve drive

PROJECTS

Acid Engine – <https://github.com/Equilibrium-Games/Acid>

2017.06 - Present

- C++ with CMake as the build system
- Designed a Vulkan rendering API
- Implemented efficient usage of available hardware
- Bullet physics, and custom vector maths
- Open source, version controlled

Polyorbis – <https://equilgame.itch.io/polyorbis>

2017.02

- A game written using my LWJGL engine
- Created for Ludum Dare 38 in 72 hours
- 3D game with classic 2D game elements

LINKS

<https://github.com/mattparks>
<https://linkedin.com/in/mattparks5855>
<http://mattparks.net>

SKILLS

Object-Oriented Programming •
Graphics Programming • Open Source
Software • Team Communication

LANGUAGES

C++ • CMake • C# • Java • Spring •
HTML • CSS • JavaScript • Node.JS

SOFTWARE

Git • Linux • Visual Studio • JetBrains
Software • Trello