

MAXWILL WINTERS

[Github](#)[LinkedIn](#)[Portfolio](#)

Software Engineer

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Problem solver with dedication to deep understanding of legacy and current technologies. Passionate about elegantly designed and executed software solutions where optimization and reliability are prioritized. Interest in AI and automating/easing daily tasks.

WORK EXPERIENCE:

Nifty Bar Grinding and Cutting

Programmer | May 2023 - Current | Python, CAD/CAM, GCODE

- Use CAD/CAM software to program WaterJet, Plasma, and Torch CNC machines.
- Use Python to create robust file structures for projects dating back over 20 years.
- Bugfix legacy CAD/CAM programs and CNC systems.
- Collaborate with engineers to create solutions for their specific needs.

PROJECTS:

Solo CAM

DXF to GCODE | Python, GCODE | 2023

- 2D/3D CAD to CAM conversion using virtually no external libraries.
- Automatically generates optimal cut paths and part orders for any provided DXF file.

Ikou

Music Visualizer | JavaScript, 3js | 2022

- 3D visualizer for any provided audio file with several options.
- Fun project to visualize music in a unique way in the browser.

Atel

Programming Language | C++, Assembly | 2022-2023

- General purpose low level programming language.
- Parser, Compiler and Optimizer(WIP) that allows direct access to memory.

YT Generator

Web Scraper/Video Generator | Python. Selenium. BS4, TwitchAPI | 2023

- Scrape a given Twitch.tv(Game streaming platform) channel and generate a video(and details like title/description) from their top clips from an arbitrary time frame.
- Automatically generate "highlight" videos from your favorite game or streamer in minutes.

EDUCATION:

MCC | 2019-2021

Associates of Psychology

ALCHEMY | 2022-2023

Fullstack Certification

SKILLS:

- Full Stack Web Development | 3D Graphic Development | Optimization | OOP
- JavaScript/TypeScript | React/Solid.js/Angular/Vue | JSON | CSS/SASS/SCSS | HTML
- Node.js/Express | SQL/MySQL/PostgreSQL | MongoDB | Selenium | BeautifulSoup
- C# | Java | C++/C | Python | Linux | Bash | SDL2
- Communication | Reading Documentation | Problem Articulation | Googling/StackOverflow
- Task Delegation | Flexibility | Adaptability | Improvisation