

Charles Yu

404-904-9098 | cmyu.1202@gmail.com | <https://www.linkedin.com/in/cmyu1202/>

EDUCATION

Purdue University, College of Engineering **West Lafayette, IN**
Bachelor of Science, Aeronautical and Astronautical Engineering **May 2026**
Concentration in Aerodynamics

Purdue University, Polytechnic Institute **West Lafayette, IN**
Bachelor of Science, Game Development and Design **May 2026**
Concentration in Programming

PROJECT EXPERIENCE

Tax Return (Video Game) **West Lafayette, IN**
Lead Programmer **Aug 2025 - Present**

- Design, test, and optimize new game mechanics, characters, and behavior
- Delegate tasks among programmers and resolve technical issues
- Monitor team performance relative to development timeline

Senior Aircraft Design Project **West Lafayette, IN**
Aerodynamics Analyst | Project Manager **Jan 2025 – May 2025**

- Drafted business jet design satisfying the AIAA 2024-2025 Graduate Aircraft Design Competition RFP
- Supervised overall design process to ensure compatibility between sub-teams
- Utilized MATLAB programs, design theory, and industry trends to optimize performance

WORK EXPERIENCE

Quintairos, Prieto, Wood, and Boyer, P.A. **Marietta, GA**
File Clerk **June 2024 – August 2024**

- Rectified discrepancies between digital documents and physical copies provided by external firms
- Updated and organized firm's database with over 400 missing or incomplete documents across 8 cases
- Retrieved supplemental physical files and submitted case-related materials to district courthouses

OMNIDREAM GAMES

Senior Moderator – Discord **Remote**
Aug 2023 – Present

- Identify and remove malicious accounts, totaling >2,500 as of Jan 2026
- Examine trends in malicious accounts to maintain automated detection tools
- Relay information between players and the community manager

SKILLS

- **Design:** SolidWorks, Blender
- **Coding:** MATLAB, C++, Unreal Engine 5
- **Analysis:** Microsoft Excel, ANSYS Fluent