

# BRENTON VAVREK

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[www.brentonvavrek.digital](http://www.brentonvavrek.digital)



## Design Thinking

I am a Digital Multimedia Design student at Penn State who enjoys exploring the boundary between creative design and technical development. My studies have taught me that good designs should solve specific problems through innovation and unobtrusiveness while also being approachable with aesthetic appeal. Successful designs must also be harmonious with end user ideals and goals. I implement projects with these philosophies in mind as part of the Design Thinking Process: Empathize ⇌ Define ⇌ Ideate ⇌ Prototype ⇌ Test.

## Game Development: Street Scurry

In late 2023 as an independent personal project for my portfolio, I created a racing game called Street Scurry using the GameSalad creator application. The game is currently hosted on my personal website and is also published on the public GameSalad Arcade site. The game can be played on a desktop or mobile web browser.



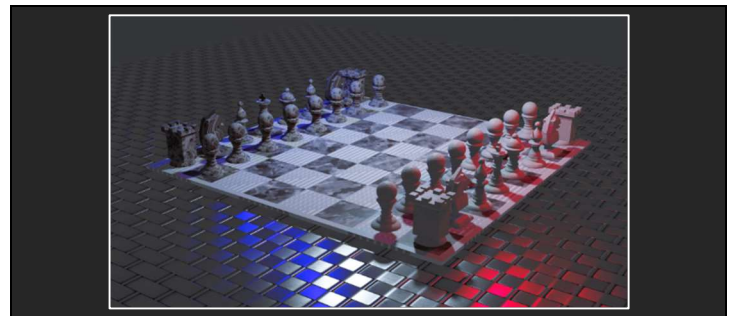
## Web Design: RC Car Shop

In Summer 2023 I was enrolled in web design classes. The final project for my Information Sciences & Technology (IST) class was to create an example online shopping website. I chose to create a remote controlled (RC) car league website that hosts competitions as well as an online store. This learning opportunity improved my understanding of website layout and composition.



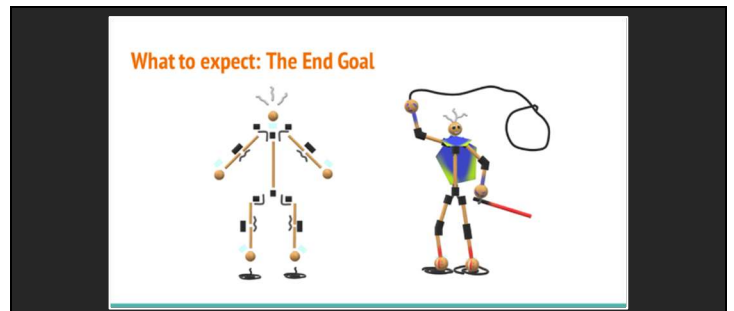
## 3D Modeling: Chessboard

In Summer 2023 I was enrolled in a 3D digital art modeling class at Penn State. The class provided opportunities to learn about how to construct models, add textures, arrange scenes, apply lighting effects, and create renders. For one of my semester projects, I modeled a chessboard and its pieces using Blender and applied Physically Based Rendering (PBR) textures.



## Open-Design: Action Stick Figure Kit

In Fall 2022 I was enrolled in the introductory Digital Multimedia Design (DMD) class at Penn State that is required for my DMD major. For the final semester project, I created an open-design modular toy kit based on an action stick figure. The instructions guide a user through the process of creating the example action stick figure and demonstrate other creation examples.



Please visit [www.brentonvavrek.digital](http://www.brentonvavrek.digital) for additional portfolio details and to interactively explore these projects.