

BRENTON VAVREK

brentonvavrek@brentonvavrek.digital

www.brentonvavrek.digital

PROFESSIONAL OBJECTIVE

Pursuing a career in Geographic Information Systems (GIS) by leveraging expertise in web development, UI/UX design, object-oriented programming, and design thinking to produce geospatial solutions.

EDUCATION

The Pennsylvania State University
B.Des. Digital Multimedia Design
Final Cumulative GPA: 3.91

August 2022 - May 2025
Graduated: May 2025
Honors: Cum Laude, Dean's List

COURSEWORK HIGHLIGHTS

Web Design and Development	User Interface (UI) Design	Design Thinking
Visual Web Design and Development	User Experience (UX) Design	2D/3D Digital Art
Object-Oriented App Development	Human-Centered Design	
Creative Coding	Visualizing Information	

WORK EXPERIENCE

The Pennsylvania State University
Course: Introduction to Web Design and Development (IST 250)

January 2025 - May 2025
Learning Assistant (LA)

Helped with IST 250 web design and development topics related to technical exercises, problem sessions, assignment grading, and student tutoring as directed. Worked with faculty and other Learning Assistants as a virtual team to facilitate and enhance the student learning experience.

TECHNICAL SKILLS

Web Development:	HTML, CSS, JavaScript, Webflow, Web Builder
Programming:	Java, Processing 4, Python, IntelliJ IDEA, VS Code
Tools:	Figma, Adobe Creative Suite, Blender, SketchUp

PROJECT HIGHLIGHTS

Spelunking Spork (Design Thinking):	A lighted utensil SCAMPER design and 3D model prototype.
Shop Website (Web Development):	RC car shop website utilizing HTML, CSS, and JavaScript.
Hyacinth Haven Site (Web Design):	Webflow-designed Hyacinth Macaw conservation website.
Bank-It-Ball Game (Creative Coding):	A Java-based basketball game using Processing 4.
Street Scurry Game (Game App):	A published mobile car racing app developed in GameSalad.
Cup & Chessboard (3D Modeling):	3D modeled coffee cup and chessboard assets using Blender.
Sword in the Stone (CAD Design):	A SketchUp CAD model and 3D print from its STL export.
Park & Caff� Posters (Graphic Design):	Infographics illustrating a park's history and caff� sounds.
Action Figure Kit (Product Design):	Open-design modular toy utilizing craft wood and twist ties.

Portfolio details and additional projects are available on the www.brentonvavrek.digital website.