

William Stiller

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Education

Penn State Erie, The Behrend College

Digital Media, Arts, and Technology, Bachelor of Arts

Data Visualization Minor, Human Factors Certificate

National Society of Leadership and Success Member

Pathway to Success: Summer Start Program

December 2023

(GPA 3.53)

Summer 2019

Projects

Stardew Valley Analysis

Spring 2023

- Produced a thorough text analysis of *Stardew Valley*'s in-game dialogue via Python, XQuery, and the SaxonC library.
- Led the cleanup of Character, Location, Event, and related Miscellaneous XML files.
- Installed Python scripts to output topic modeling visualizations of character data.

Founding of Penn State Behrend Site

Fall 2022

- Member of interdisciplinary team responsible for developing, testing, and releasing a website utilizing XML, XPath, and XSLT
- Transcribed historical documents to provide search functions and create longitudinal records for Penn State

Environmental Awareness Poster

Fall 2021

- Studied design concepts and patterns of French Poster Designer, A.M. Cassandre
- Drew, Illustrated, and revised several poster designs in Adobe Illustrator
- Advertised and promoted a specific environmental cause

Visual Identity Design

Fall 2021

- Conducted research on the Erie Maritime Museum and the historical background, addressing logo and website concerns
- Consulted advisors and identified representation that best suited the business
- Planned and redesigned the visual identity and elements of the museum in Adobe Illustrator

Self-Drawing

Fall 2021

- Drew and accentuated a self-portrait utilizing Adobe Photoshop

Imp Concept Art

Summer 2021

- Analyzed other works to develop a visual concept, later compiled and individualized design
- Revised and developed character concepts in Adobe Photoshop for future projects

Website Design

Summer 2021

- Programmed and mapped a personal website for hosting current school projects using Git Repository
- Over the summer, revised site design to accommodate for a personal portfolio and projects

Sideburn Branch Photo Collection

Spring 2021

- Gathered information citing local fauna and flood protections of Fairfax County
- Photographed examples of improper barriers, advocating for better protections
- Awarded the Patricia Yahn Art Show Chancellors Award

Lampshade Photogrammetry

Spring 2021

- Experience in photogrammetry utilizing Meshroom to reconstruct photo samples
- Transformed graphical representations into 3D file formats
- Blender3D for post-production processing, editing, and final rendering

Photoshop VR Photo Collection

Spring 2021

- Compiled photographs into a 360-image using Adobe Photoshop's VR capabilities

Character Animation

Fall 2020

- Developed a character animation rig utilizing Duik Bassel for After Effects and Adobe Illustrator

Video Advertisement

Fall 2019

- Recorded and structured video in Adobe After Effects for the purpose of presentation and advertisement

Object Animation

Fall 2019

- Programmed a quick demonstration of the animation capabilities in Adobe After Effects

Significant Courses

Social Psychology, Statistics in Psychology, Psychology of Perception, Psychology of Human Factors Engineering, Engineering Psychology, Cultural Diversity: A Global Perspective, Psychology, Human Communication

Data Visualization, Python Programming, Write for the Web, Text Analysis, Text Encoding, Commentary on Art, Graphic Design, Creative Writing, Digital Humanities, Photo Studio, Multimedia Production, Animation Fundamentals, Digital Medium, Drawing, French 3, Classical Mythology, Physics

Work Experience

Lions Ambassador | Penn State Behrend

Aug 2023 – Dec 2023

- Collaborated with other Ambassadors to fulfill job roles of school sponsored events.

Summer Undergraduate Research Fellowship |

May 2023 – August 2023

National Institute of Standards and Technology (NIST) Internship

- Assessed data storage solutions for hierarchical data structures representing digital threads.
- Instituted use case of selected structure to represent data from product lifecycle stages.
- Programmed parsers to convert MTConnect hierarchical data for digital thread applications.

Instructor Support | Digital Humanities Summer Institute

June 2022 – June 2022

- Collaborated with an instructor in a one-week course aiming to provide XSLT and XML processing knowledge to PHD project teams.
- Discussed strategies for systematically building archives and databases with document processing and systematic encoding.
- Maintained a friendly and collegial environment for the benefit of attendees.

Cashier | Safeway

Jun 2021 – Aug 2021

- Interacted with public and provided first-class customer service as a collaborative team member.
- Effectively worked independently and as a member within the larger team.
- Applied excellent communication skills.
- Adhered to all company standards and policies.

Lifeguard | Watermine Family Swimmin' Hole

Jun 2018 – Aug 2018

- Trained and certified through the Ellis & Associates International Lifeguard Training Program.
- Ensured the health and safety of guests through pool surveillance and enforcement of park policies.
- Took control of a crisis situation, rescuing two guests in distress.
- Participated as a team with coworkers in emergency situations.
- Punctual in regard to attendance and emergency response situations.

Technical Skills

Coding Languages

XML, XSLT, HTML, CSS, XPath, XQuery, JavaScript, Python, R, HDF5

Software

Git, GitHub, Oxygen XML Editor, IBM SPSS, RStudio, Tableau, Adobe CS, MS Office,
Meshroom/AliceVision, Blender, 3ds Max, Unity

Languages

French – Professional Capacity

Awards

Patricia S. Yahn Art Show	Chancellors Award, 2021
Virginia FBLA Network Design	Fifth Place, 2019
Fairfax FBLA Network Design	First Place, 2019
Virginia FBLA Network Design	Fourth Place, 2018
National Latin Exam	Magna Cum Laude, 2018
Fairfax FBLA Network Design	Second Place, 2018
Athletic Honor Roll	2017
GMU Acting for Young People	Summer 2017
GMU Envision Game & Technology Academy	Summer 2017
Multi-Platform 3D Game Design	
National Latin Exam	Cum Laude, 2017