

William Stiller

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Objective

To gain career experience in the information technology field through an internship position focusing on the creation of new measurement tools, software development, and improvement of human-centered technology standards at NIST.

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

Expected Graduation: December 2023

(GPA 3.51)

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Summer 2019

Projects

Founding of Penn State Behrend Archival Site

Fall 2022

- Effective and friendly communication with project team, collaborating on new ideas with supportive feedback
- Guided project course of action and analysis, coordinating encoding and programming tasks
- Managed and expanded upon document categorization to better assist in data modeling
- Programmed with XML, XPath, and XSLT to publish a longitudinal dataset for qualitative analysis

Website Development and Design

Summer 2021

- Scheduled deadline and project goal intervals for web development with Oxygen XML Editor
- Evaluated potential difficulties with functionality, exploring creative solutions
- Produced prototypes with accessibility and UX in mind, enhancing UI on critical feedback
- Published a functional website with Git, hosting the repository through GitHub Pages

Lampshade Photogrammetry

Spring 2021

- Procedurally captured 400+ photo samples, ensuring accurate digital representation
- Researched and resolved complications in Meshroom/AliceVision rendering
- Conducted post-production rendering in Blender with corrective editing in Photoshop
- Presented a 4-minute post-project analysis in an academic conference

Significant Courses

Data Visualization, Python Programming, Text Analysis, Text Encoding, Statistics in Psychology, Psychology of Human Factors Engineering, Engineering Psychology, Digital Humanities, Psychology of Perception, French 3

Work Experience

Web Developer | Penn State Behrend

May 2022 – Dec 2022

- Built a climate of understanding with teammates to overhaul the Behrend DIGIT Splash site design
- Researched applications of responsive design and consulted colleagues with findings
- Responsible for devising strategies addressing accessibility and implementation of plans

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

Technical Skills**Coding Languages**

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

Software

Git, Github, Oxygen XML Editor, R Studio, IBM SPSS, Meshroom/AliceVision, Blender, 3ds Max

Adobe CS, MS Office

Languages

French – Professional Capacity

Awards

Virginia FBLA Network Design – Fifth Place, 2019

Virginia FBLA Network Design – Fourth Place, 2018