Zachary Tworek

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Summary

As a skilled designer and builder of brand engagement sculptures and museum exhibits, I have a proven track record of creating immersive and captivating experiences for visitors. With a background in Engineering and Art, I possess a keen eye for aesthetics and a practical ability to translate complex ideas into tangible and engaging forms. Through my expertise in materials and fabrication techniques, I am able to bring designs to life with precision and attention to detail. Proven experience working with a variety of clients and industries, I am adept at tailoring my approach to meet the unique needs of each project. Overall, I am a dedicated and passionate creator who strives to push the boundaries of what is possible in the realm of experiential design and committed to staying current with industry trends and advancements, I bring a fresh and contemporary perspective to every project. I consistently deliver innovative solutions that align with client objectives and drive visitor engagement.

Related skills

- Adobe Creative Suite (Illustrator, Premiere Pro, Photoshop, Indesign)
- Linux, Windows, and Apple Troubleshooting
- Python and Arduino coding
- Machine direct coding (Gcode)
- Various industry specific software packaging installations (EtherCat, CAM softwares)
- Windows Server 2020/2012/2008, Linux Servers
- Woodworking and CNC tools (CNC routers, Milling Machines)
- Electrical setup and safety
- Hardware troubleshooting and configuration
- Various barcode scanners and printers
- Join.me and Teamviewer for remote desktop support
- OpenAi Pro User and other AI softwares
- Fusion 360 and other CAD software

Qualifications/Certifications

Dean's List in New Media Program

University of North Texas New Media (2019-2022)

Warsaw University of Technology (Politechnika Warszawa) Mechatronics Program (2015-2018)

Vendor Compliance training (JC Penney,Dillard's, Bass Pro Shops, etc)

University of North Texas Computer Science program (2010-2013)

Work history (2009 – 2023)

<u>Perot Museum of Nature and Science</u> **Exhibits Technician** <u>2022-Current</u>

Maintain configuration items in Salesforce for exhibit maintenance including labor, exhibit downtime, parts lists and maintenance notes.**Arrange for the timely and cost-effective purchase of necessary**

materials and services and track all purchases and ensure that all related paperwork is executed properly.

Triitus Security **Product Design and programme**r 2020-2022

Using Debian and Java programming languages I helped the company design phone security software. I also designed custom phone cases that are able to hold various hardware inside.

Southwest Industrial Services (SWIS FW) **CNC Operator and Programmer** (2018-2019)

Worked programming and operating large CNC machinery for custom customer challenges. This job required very precise tolerances and design criteria to bring customers the correct parts. This is a very large "Job Shop" as opposed to production machining where you make the same part every time. This job requires you to think on your feet and create a design that is both efficient to operate and out the door in a timely fashion.

Politechnika Warszawa Metrology Department- **Intern (2016-2018)**

Worked for our Schools' Department of Measurements. Duties included, analyzing and adjusting MATLAB software to fit various measurement models, analyzing graphs of temperatures to determine best cryo treatment of materials. Assigned to provide full time IT support to diagnose troubleshooting lab software, computers and networking. Designed, built and calibrated CNC milling machine. Developed other very specialized electronic test tools as needed for highly sensitive measurements for various school affiliates.

ZAXgear LLC- **Owner (2013-2020)**

Started a small business designing and selling portable solar panels. It required a great deal and focus and tenacity to make it profitable. I had to quit before leaving for school in Poland.

Tworek LLC- **IT Consultant, (2011-2012)**

Providing IT support for various clients troubleshooting and configuring network, hardware, operating system, and various software packages. Duties included installing and configuring a client's accounting software during a busy tax season which included diagnosing and establishing remote printing from India. Other client experience included configuring and installing Windows 2012 and Exchange and installing, configuring, and troubleshooting each of the client's local and remote workstations Outlook and AUTOCAD software including centralized network storage for design work and automated backup. Specified and configured DELL servers for Windows 2013 and Windows 2010 and diagnostics for network connectivity. Provided remote customer support either through phone or email support. Used Join.me for remote desktop support. Installing, updating, and configuring an entire server from scratch. Set up and maintain Email, Local network, and websites.

Southwest Book Distributors- **IT Support General Warehouse Support (2009-2011)**

Duties included traveling sales, with customer support to small and chain store businesses. Worked wholesale gift and home trade shows. Duties for IT support included administratively managing a DELL Windows 2008 server, configuring and installing an accounting system with appropriate backup systems

and a separate warehouse management software package to support over 30,000 books shipped monthly with various SKUs. Also, performed data entry, remote computer for nationwide sales team, hardware inventories, bug fixes, configuring and repairing laptops, data gathering and macro design for rapid data entry, server backups, and excel spreadsheet manipulation of data for database consumption, truck delivery, forklift operations, pick/pack/ship, receiving.