Trevor Nichols

Contact

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01/02/2006

Career Object

Detail-oriented professional with experience in software development, API endpoint design and implementation, AI training and frontend design. Deep understanding in backend integration with Microsoft Azure, GitHub actions, and Nix CI/CD. Extensive experience in modeling, animating, and texturing 3D models for commercial purposes. Praised for creative problem-solving, meticulousness, and technical depth. Excels at the integration of computer programming and art.

Skills

5+ years

- Linux
- Docker
- Podman
- Docker Compose
- Systemd
- Excel
- Word
- Powerpoint

4 years

- Node.js
- JS/TS
- Github Actions
- Java
- Nix
- C#
- HTML
- CSS
- Python

2 years

- MD Docs
- QEMU

1 year

- .NET
- Azure
- Microsoft Server
- Ubiquiti Unifi
- Docker Swarm

Personal Experience

3D Modeler

Nov 2022 - Aug 2023 | Sandm. Creative Agency | Georgetown, Penang, Malaysia

- Utilized **GIMP, Inkscape, Illustrator, Photoshop**
  - **Created textures** for 3D models
  - **Generated** bump, metalness, emission maps
- Utilized **Blender**
  - **Modeled** hard surfaces including products, environments, packaging, and buildings
  - **Sculpted** detailed natural shapes whilst maintaining a low poly count
  - Utilized **physics simulations** to animate clothes, smoke, softbodies, and destruction
  - Retopologized models to be **game and animation ready**
  - Highly experienced at **generative geometry**, textures, and lighting
- Led over 50% of 3D design and modelling projects for the company

IT Technician / Programmer Intern

Aug 2022 - Aug 2023 | Dalat International School | Tanjung Bungah, Penang, Malaysia

- **Developed backend and frontend software** for identification services including UX design in Aurelia, backend implementation in C#, .NET, Azure functions, and SQL.

- **Developed inventory management systems** for all equipment within several organization's physical and network environments
- In depth knowledge of **Unifi** network management software to manage and maintain a private network

Audio Visual Technician

Aug 2020 - Aug 2023 | Penang Bible Church | Georgetown, Penang, Malaysia

- **Custom designed an AV system** within the restrictions of a space, needs, and budget
- **Developed preventative measures** to maintain audiovisual systems to reduce breakdowns or malfunctions by over 65%
- **Orchestrated livestreams** and live audio processing for events
- **Designed custom cables** for streamlining connections within an AV system

Open Source contributor

Contributed to

- NixOS/nixpkgs
- tnichols217/obsidian-columns (creator)
- denolehov/obsidian-git

Education

Case Western Reserve University

Bachelor of Science (B.S.) in Computer Science Candidate
Aug 2023 - May 2027 | Cleveland, OH, US
GPA 3.789

- Questbridge scholar
- University merit-based scholar

Studied in

- Artificial Intelligence
- Systems Programming
- Theoretical Statistics
- Hardware Logic Design
- Algorithms

Dalat International School

High School Diploma with Summa Cum Laude
Aug 2019 - Jun 2023 | Penang, Malaysia
GPA: 3.8642

Studied in

- 5: AP Computer Science A
- 5: AP Computer Science Principles
- 5: AP 3D Art and Design
- 5: AP Statistics
- 5: AP Calculus BC
- 5: AP Biology
- 5: AP Physics I
- 4: AP Music Theory
- 3: AP Language and Composition
- 3: AP Literature and Composition