Tymoteusz Suszczyński

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Date of Birth 30/03/2000
Learn more about me! tipex360.github.io/portfolio/

EDUCATION

University of Bristol
Computer Science MEng | 2:1 with Honours

A Levels
Computer Science **A** • Mathematics **A** • Chemistry **A**

GCSEs
11 GCSEs graded **A* - A**

TECHNICAL SKILLS

Languages & Tools
C • C++ • Go • Java • C# • SQL • Python • pytorch • TypeScript • React • HTML/CSS • Linux • OpenGL • AWS • docker • Git • Jira • CI/CD

Creative Skills
3D ArchViz / Rendering • Blender • Photoshop • After Effects

SOFT SKILLS

Languages
English (fluent)
Polish (native)

Social
Teamwork
Motivation
Initiative
Communication
Creativity

INTERESTS

| Rock Climbing
| Digital Art
| The Great Outdoors
| Guitar

PROJECTS

| Enhancing Realism of 3D images using Deep Learning
First-Class Thesis • Generative Adversarial Networks • Convolutional Neural Networks
C# • Python3 • pytorch • numpy • RenderDoc • selenium

| 3D Raytracing Engine with Photon Mapped GI
Raytracing • Photon Mapping • Indirect Illumination • Phong Shading • Texture Mapping
C++ • SDL2

| Superscalar, OoO, Pipelined Processor Simulator
Superscalar • Out of order • Branch prediction • Tomasulo's algorithm • Speculative execution • Pipelined • Non-blocking issue
C++

| Multi-Tasking OS for Arm Cortex-A8 microcontroller
Low-level kernel development • IPC • GUI • Preemptive scheduler
C • ARMv7-A ISA Assembly

| Lights On! (Project to showcase flagship technologies in games)
Winning team project • Real-time swarms • Computer generated puzzle levels • Robust multiplayer networking • Advanced shaders
C# • Git Actions • JavaScript • Game CI • Unity

| Scalable Fault-Tolerant Stream Processing in the Cloud
Load Balancing • Clustering • Containerisation • Dynamitc Worker Allocation
Python3 • RabbitMQ • AWS Boto3 API • docker • HAProxy

WORK EXPERIENCE

| HashLeap, London (Contractor, Remote)
Software Engineer | Aug 2023 - Present
Next.JS • TypeScript • Prisma • Tailwind

| Flowbird Transport Intelligence, Poole
Software Engineer | Jun 2022 - Mar 2023
C# • SQL • C++ • Java • Python3 • Jira • Microservices • Embedded

| University of Bristol
Graduate Teacher | Sep 2021 - Jun 2022
Teaching Assistant | Sep 2020 - Sep 2021

| Silverline, Yeovil
Intern | Nov 2017

| The Bunker, Torquay
Climbing Instructor | Aug 2016 - Apr 2017

EVENTS & AWARDS

| Boeing x CSS Bristol Hackathon • **1st place** • Mar 2020
| CSS Bristol x UCL Gamejam • **Honourable mention** • Nov 2020
| Boeing x CSS Bristol Hackathon • Mar 2021
| BAE Cybersecurity CTF • Feb 2018
| Ten Tors 35 & 55-miles Expedition Gold • May 2015 & 2017