

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 (2018-2022)

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 • BeautifulSoup

| 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

| Terraform Creative, Perth (Freelancing, Remote)

Full-Stack Engineer & Consultant | Feb 2024 - Present

Next.js • TypeScript • Node • Express • AWS • GH Actions

| HashLeap, London (Contractor, Remote)

Software Engineer | Aug 2023 - Present

Next.js • TypeScript • Prisma • Tailwind • Jest

| Flowbird Transport Intelligence, Poole

Software Engineer | Jun 2022 - Mar 2023

C# • SQL • C++ • Java • Python3 • Jenkins • Microservices • Embedded • SpecFlow/
Gherkin

| University of Bristol

Graduate Teacher | Sep 2021 - Jun 2022

Teaching Assistant | Sep 2020 - Sep 2021

| Silverline, Yeovil

Software Engineer Intern | Nov 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

| Ten Tors 35 & 55-miles Expedition Gold • May 2015 & 2017