

Taiga Hookey

Games Programmer

I am fascinated by physics in games and simulations and love bringing games to life through the addition of physics.

Contact

t41g4f1sh@gmail.com
<https://taigafish.github.io/>

Education

UNIVERSITY OF STAFFORDSHIRE

BSc (Hons), Computer Games Programming 2026, accredited by TIGA

STOKE SIXTH FORM COLLEGE

Distinction-Distinction in BTEC Games Design
A in Maths
A in Further Maths

TRENTHAM ACADEMY

9 in Maths
9 in Further Maths
9 in Computer Science
9 in Physics
9 in Statistics
9 in Biology
9 in Chemistry
8 in French
Also got GCSEs in English Language, English Literature, and Religious Studies

Projects

2D SOLAR SYSTEM SIMULATION

As part of my dissertation at university, I made a simulation in C++ of a solar system which used n-body Newtonian physics. Due to being an n-body simulation, optimisation was required which brought the simulation from 3 to 100 fps.

3D PHYSICS ENGINE

I made the physics portion of a 3D engine in C++ for a group project at university. This used GLM to handle mathematical structures such as quaternions and matrices and their multiplications.

Experience

GOTH SOCIETY FINANCE OFFICER (2024-2026)

I served as the finance officer for the Goth Society at my university, A society that I helped set up at the end of my first year. This role involved communication skills as we would often create and present PowerPoint presentations to teach our members about the history of the subculture. This also involved research to be able to present an accurate account of the past.

BRONZE DUKE OF EDINBURGH AWARD

I completed my bronze Duke of Edinburgh award. This involved learning to ski as my skill and for my volunteering, I helped out at a local church.

Skills

PROGRAMMING LANGUAGES

C++
C#
HTML, CSS and JS
Python

PROGRAMMING SKILLS

Debugging
Readable and efficient code
Optimisation
Advanced maths (linear algebra, differentiation, integration, matrices etc.)

ENGINES

UE4/5 (blueprint, blackboards & AI, particle systems)
Unity

OTHER

Communication skills
Office suite of software (especially Excel, PowerPoint, and Word)

Hobbies

PLAYING VIDEO GAMES

I love to play a wide variety of video games, my favourite genres are typically "Metroidvanias" and RPGs, though I play everything from 4X to puzzlers to stealth to survival etc. My favourite games at the moment are *Outer Wilds*, *Super Metroid*, and basically any TT game except the Harry Potter ones or the *Skywalker Saga*

COMICS

I absolutely adore reading comic books of a variety of genres. I especially find Deniz Camp, Kelly Thompson, and G. Willow Wilson's writing to be outstanding and the artwork of pencillers such as Haining, Jorge Corona, Stipan Morian and Marcio Takara, and colourists such as some of those already mentioned and Arif Prianto to be truly incredible. My favourite comics are *20th Century Men*, *Poison Ivy* (by G. Willow Wilson), and *Absolute Wonder Woman*.

READING BOOKS

I especially love the *Stormlight Archive* by Brandon Sanderson and non-fiction books especially on language such as *The Etymologicon* and *The Elements of Eloquence* by Mark Forsyth.

Work Experience

RESORT CHAMPION AT ALTON TOWERS (2023)

I was a Resort Champion at Alton towers over the summer before my first year of university. This was a role that had me customer-facing, keeping queues orderly, resolving issues that guests had, and clearing up litter to keep the area looking nice. I primarily worked in the area of the park which was designed for younger kids, *CBeebies Land*, but also was sometimes positioned at the outdoor main stage.

Referees

References available on request.