

# THOMAS O'LEARY

+44 7565 402 001

[olearythomas01@gmail.com](mailto:olearythomas01@gmail.com) ♦ [www.github.com/thomasoleary](https://www.github.com/thomasoleary) ♦ <https://thomasoleary.github.io/>

## PERSONAL STATEMENT

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I currently at Falmouth University undergoing my final year in Computing for Games BSc (Hons). Although completing a degree oriented around game development, I am interested in entering the tech industry and landing a role as a Software Developer.

## EDUCATION

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<b>Computing For Games BSc (Hons)</b> , Falmouth University	September 2019 – July 2022
Predicted Grade: Second Class Honours Upper Division (2:1)	
<b>BTEC Level 3 90 Credit - Extended Diploma - Creative Computing</b> , Uxbridge College	September 2017 – July 2019
Grade: Distinction*, Distinction, Distinction (D*DD)	

## SKILLS

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<b>Project Management</b>	Jira, Trello, Confluence, Agile
<b>Version Control</b>	Git
<b>Game Engines</b>	Unity, Unreal
<b>Languages</b>	C#, Python, C++, OpenGL, LaTeX, R
<b>Soft Skills</b>	Time Management, Teamwork, Communication, Problem-Solving

## PROJECTS

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**Castan - Gameplay Programmer** (<https://store.steampowered.com/app/1836170/Castan/>) [Steam](#)

- Multi-Disciplinary Team of 12 closely following the Agile methodology - consisting of artists, animators, designers and programmers.
- Primarily communicating between designers and animators to ensure implementations are satisfactory.
- Current project being developed - expected release on Steam in May.

**Dissertation - Final Year Project** (<https://github.com/thomasoleary/dissertation>) [GitHub](#)

- Researched into the comparison of procedural generation and human design with a focus on room interiors.
- Created a Multi-Agent system that generated a rooms' interior at run-time using the Unity Game Engine.
- Completed a Turing style A/B test with the help of 56 participants and analysed collected data for significance using the R programming language.

**OpenGL Terrain Generation - Personal Project** (<https://github.com/thomasoleary/opengl-terrain>) [GitHub](#)

- Created an application that procedurally generates a plane of vertices & indices using C++ and OpenGL.
- Perlin noise was utilised to create the effect of natural looking terrain.

## EXPERIENCE

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<b>IT Consultant - Work Experience</b>	June 2017 & June 2019
TMD Technologies Ltd	Hayes, London

- Shadowed and observed the IT Departments day-to-day work.
- Gained an understanding of how IT systems are maintained in a large business environment.
- Tasked with creating system-wide Outlook shortcuts for staff.

## HOBBIES

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### Kayaking

- Have a passion for Flat Water Kayaking and a new-found love for Surf Kayaking.
- Elected the Vice President of the Falmouth Student Kayak Canoe Society at Falmouth University. Assisting in coaching and running weekly sessions for both beginner and experienced paddlers.

### Scout Association

- Involved in scouting since the age of 6 and have worked through all sections achieving some of the highest awards. After turning 18, I took on a volunteer leadership role at my local Scout Group.
- Had the privilege of leading a select group of Explorer Scouts to Holland for the 2019 Jamborette to represent our County.