

# DARREN SILLS

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**Detail-oriented Computer Science graduate with a passion for building innovative user-friendly solutions using modern technologies!**

## EDUCATION

- BSc (Hons) in Computer Science – *First Class Honours***

South East Technological University | Waterford  
2020 - 2024

- Study Abroad**

Shibaura Institute of Technology | Tokyo  
Summer 2023

## PROJECTS

### First-person Retro-inspired Dungeon Crawling RPG

*Final-year project built with Unity designed to contain many robust systems and dev tools reusable in future projects. Accompanied by a dedicated website, poster, and comprehensive documentation.*

- Utilized Trello and agile methodology to manage tasks and sprints.
- Developed advanced C# scripting and Unity proficiency.
- Gained experience presenting technical and creative work to diverse audiences.

### A React & Firebase Powered Film Discovery App (TMDb RESTful API)

*Users can browse and search films, TV shows, view casts, and read or edit reviews. Firebase integration provides secure authentication and user management.*

- Leveraged React best practices for efficient state updates and a smooth user experience.
- Implemented secure sign-in and registration flows with personalized content for each user.

## TECHNICAL SKILLS

### Programming Languages

C# | C++ | Java | JavaScript | TypeScript | Kotlin | Rust | Ruby | PHP | Haskell | Python

### Frameworks & Libraries

React | Node.js | Express | .NET Core

### Tools & Platforms

Git | AWS | Unity | Unreal Engine | JupyterLab | Maya | MySQL | MongoDB

## OTHER SKILLS & INTERESTS

### Languages

English (Native) | Japanese (Conversational)

### Competitive Gaming

Top ranking player across multiple games and genres; participant in offline and online e-sports tournaments.

### Game Dev & Modding

Frequent game jam participant; Contributor to popular modding projects such as *P3R FeMC Project* and *Pokémon Luminescent Platinum*.

### Travel

Visited multiple countries and assisted with the *Global Learning Commons* during my time at SIT in Japan.