

# Cian Jinks

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## Experience

**Blender Contributor** | May 2021 - Present

[Dev Profile](#) | [GSOC Final Report](#)

- [Google Summer of Code Student](#) for the Blender Foundation working on the Knife Tool
- 1 to 1 mentoring by a Blender Contributor working at Google
- [Weekly Reports](#) detailing my GSOC project work and community interaction
- Completed Knife Tool project has been merged ahead of Blender 3.0 Alpha
- Used by **thousands** of blender users
- Continued contributions with bug fixes and minor patches

**DUCSS Secretary** | June 2021 - Present

[Website](#) | [Instagram](#)

- Secretary of Trinity College Dublin Computer Science Society with **~450 members**
- Obtained sponsorship from Stripe & SIG
- Organised events with speakers from Microsoft, Google & Stripe
- Organised programming workshops for students relating to Python & AI
- Manage a committee of 12 by organising meetings and reports

**Pico - Matrix Decoder** | February - April 2021

- **Led a team of 6** to create a Matrix Communication Protocol decoder for Pico's Corvil CNE appliance
- Decodes Matrix packets flowing through a network
- Mentoring from Pico Engineering Team
- **C++**

## Technical Projects

**Voxelio** | Summer 2020 | [Github](#) | [Video](#)

- Large Open Source project (~5000 LOC)
- 3D modelling software using Voxels
- Implements [Sparse Voxel Octree Data Structure](#) research paper with ray traced rendering
- **C++**

**Sorting Visualizer** | March 2020 | [Github](#)

- Real time visualization of various sorting algorithms using GPU rendering via OpenGL
- Implements Bubble Sort, Selection Sort, Quick Sort and Merge Sort
- Implements batched rendering
- **Java**

## Education

**Integrated Computer Science**

Trinity College Dublin - 3rd Year

- 1st Year
  - 84% average with a I overall
- 2nd Year
  - 88% average with a I overall

## Events

**Coding Competitions**

- **Code Jam 2020** - Passed the qualification round and placed 8847th in round 1C
- **Google Kickstart**
  - 1426th in Round F
  - 3461st in Round G
- **HackTrinity** - Placed 40th in the 2019 HackTrinity CTF hacking challenge

**Team Hackathons** | [devpost](#)

- **Fit Together** - A social webapp for keeping track and motivating yourself and friends exercise during the COVID19 pandemic
- **Brain Recovery** - A webapp for helping post stroke brain rehabilitation

## Skills

- C++ and C
- Linux - Daily Arch & Ubuntu User
- Java
- OpenGL
- Python and Docker

