


# Louis Cooper

Student in Norwich

## Contact

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 Kent/Norwich

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## Technical Skills

- C++
- C
- Python
- Java
- HTML, CSS
- JavaScript
- Unreal Engine
- Blender
- Adobe Suite
- Microsoft Suite

## Extras

- UK full driving license
- Level 3 emergency first aid trained

## References

Available upon request

## About Me

I'm a highly ambitious and motivated problem solver, with a solid background in computer science, project management, and leadership. With hands-on experience in streamlining operations, and a range of client projects, I work well in a fast-paced environment that challenges me to tackle complex problems. By blending technology with creativity and resourcefulness, I strive to provide efficient results, always seeking to expand my skills through both professional and personal opportunities.

## Work Experience



### Colleague

Tesco Express

**TESCO**

2023 - current

I've achieved gold-standard shift leader status, where I cover legal compliance and utilise strong leadership and problem solving skills to streamline operational processes – achieving the highest pick rate average in my store on Whoosh. Whether on duty or not, I assist colleagues with any issues, training them to take on higher duties in a safe manner. I was also selected to handle key operational tasks, such as managing compliance-focused stock routines and participating in managerial meetings to address our over-stocked warehouse and store improvements.



### Takeaway Front of House

Cobham Inn

2018 - 2021

As the sole front of house staff, I managed orders, handled customer complaints and maintained a level head during high-pressure periods with multiple orders coming from phones, walk-ins, and Just Eat. To make things easier at the start, I developed a custom app that streamlined the ordering process that allowed me to search for an item and generate the correct combination of numbers for quick input into the system, significantly reducing the time taken per order.



### Eastenders Editor Shadowing

BBC

**BBC**

2019

Shadowed an editor for Eastenders to learn professional workflows, including the communication between different departments and steps of project management in a high pressure environment. This experience provided valuable insight into the detail and communication necessary for large-scale projects.

## Education



### University of East Anglia

MSc in Computer Science

2021-2025

- Last year achieved an average of a First (77%)
- Hired to assist in Games Development module next term as an lab assistant



### Sir Joseph Williamsons Mathematical School

2014-2021

- A levels in Mathematics, Computer Science and Design Technology as A A A
- GCSE's ranging from grade 7 to 9

## Personal Skills

- **Leadership**

My time at Tesco has taught me to be a confident leader of a team, and all aspects it entails. Most importantly, ensuring coordination among team members while prioritizing safety.

- **Communication**

Whilst working in a fast paced environment like my takeaway, effective communication between the kitchen and I was essential to keeping things running smoothly. I also prioritize being approachable and understanding, ensuring that my colleagues feel confident in sharing their thoughts and concerns with me.

- **Project Management**

Throughout university, I recognised the importance of effectively managing timelines and resources to meet deadlines whilst working as a group. My shadowing experience at the BBC made this even clearer – seeing effective project management be absolutely crucial when coordinating across several departments.

- **Problem Solving**

My ability to solve problems has led to an increase in efficiency wherever I work – being chosen to help improve store operations at Tesco, or improving the method of taking orders at my takeaway.

- **Decision Making**

When on duty at Tesco, I regularly make decisions that determine priorities that the store's smooth operations rely on. When working at the takeaway, I was also entrusted with autonomy to address customer problems, including making difficult decisions regarding refunds and other resolutions.

- **Operational Planning**

Leading a store on a busy day with only one other staff member breeds a lot of chaos that needs to be controlled. As a result, I've become skilled in anticipating customer needs during peak periods and ensuring high-demand products, such as sandwiches at lunchtime, are ready and available – helping to maintain a smooth and efficient customer journey

## Projects

- **Speech Recogniser to Detect Names Being Spoken (current)**

Developing a speech recogniser using a range of libraries in Python to implement feature extraction, acoustic modelling and deep neural networks.

- **WW2 Museum Attraction Scoring System (current)**

Creating an automatic scoring system using a Raspberry Pi and webcam to track the accuracy of a mounted gun firing at a projected target. As part of the process we are collaborating with a third party company to develop certain system components to fit all of the museums requirements.

- **Synoptic University Project**

Managed a team replicating real-world applications for actual clients, utilizing strong leadership and time management skills to create a solution for a real problem in Govan Scotland. Our solution produced a functioning website allowing a user to donate, view and manage items in stock at a local food bank.

- **Unreal Game Development**

1. Developed a short game for a Game Development module, consisting of a cutscenes and a boss battle, with major interest from the experienced project marker who claimed his company would purchase created components as a plugin.
2. Developed a game in Unreal Engine using Vicon Motion Capture technology, with a 60 page in depth report, with direct communication to Vicon professionals. Almost all models and technical elements created by myself from scratch in Blender, replicating a stylised low poly orthographic world.

- **3D Modelling**

1. Modelled my family's new kitchen, creating a range of units and drawers, along with other furniture. Using Virtual Reality, my mother could then experience her new kitchen from the inside, and make necessary adjustments. These blueprints were then used by the builder as a reference for his work.
2. Modelled and then built an office using Blender and a range of construction skills. Adding wooden supports, sanding and painting, with assistance from my dad for the installation of the drywall and wiring. Smart devices were integrated into wiring across the room to automate things like the blinds and the lights.

More projects available on my website