

# Gabriel Leach

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<b>Current role</b>	Software Developer at Holloway Control Systems Ltd
<b>Experience</b>	Automation, Internet of Things, Robotics, SaaS, API, Data Integration, Virtual Reality, Augmented Reality
<b>Technologies</b>	SQL, Docker, CSS, HTML, JavaScript, Python, Django, Postgres, C#, Unity, JIRA

## I want to work for a company that...

I want to work for a company that values innovation and creativity, encourages collaboration, and has a strong commitment to making a positive, tangible, impact on the world.

## Work experience

### Software Developer, Holloway Control Systems Ltd

Nov 2022 – Present (6m)

Automation · Internet of Things · Robotics · SaaS · API · Data Integration

SQL   Docker   CSS   HTML   JavaScript   Python   Django   Postgres

- Currently contributing to a large-scale project by designing and building a cutting-edge host interface, utilizing expertise in software architecture and design to deliver exceptional results.
- Developing software for various projects that align with both customer specifications and company standards, demonstrating a keen eye for detail and a strong commitment to quality assurance.
- Conducting thorough testing and live analysis of products to ensure they function as intended, ensuring timely product review dates and customer satisfaction.
- Visiting sites to install, test, and maintain systems, showcasing a deep understanding of the complexities of software development and the ability to apply technical skills in real-world situations.

### Research Intern, University of Nottingham, Shaping the Connected Museum, University of Nottingham

Jul 2021 – Sep 2021 (2m)

Virtual Reality · Augmented Reality

C#   Unity

- Conducted in-depth research on improving embodiment within virtual reality space through volumetric capture, utilizing both software and hardware.
- Built a cost-effective prototype featuring volumetrically captured tour guides for a virtual museum, resulting in a successful live presentation to fellow researchers.
- Collaborated frequently with my project supervisor, skillfully incorporating their feedback into my work.
- Authored an industry-facing paper detailing my comprehensive analysis and findings in a simplified manner.

Hackathon Society at the University of Nottingham.

#### JIRA

- Successfully adapted HackNotts, an annual in-person hackathon, into a fully online event due to COVID-19 implications, leading to increased participation from hackers worldwide.
- Led meetings with sponsors, volunteers, and content providers to ensure seamless execution of the event.
- Developed and curated engaging side experiences and games for hackers to enhance their overall experience during the event.

## Education

### University of Nottingham

Sep 2017 – Jun 2022 (4y 9m)

(2.1) MSci (Hons) Computer Science with Artificial Intelligence

- Mens 2nd XIII Rugby League
- Welfare Secretary of CompSoc
- Member of HackSoc

## Snippets

### Accessible Video Game Controller @ [www.youtube.com](http://www.youtube.com)

During my time at university, I developed an innovative and accessible video game controller for gamers with disabilities in collaboration with Atos. The project included working with the charity Special Effect, utilizing a user-centric design approach to tailor the solution to meet a wide range of user requirements.

### Silly Unity Game @ [www.youtube.com](http://www.youtube.com)

Disclaimer, I made this in a day.

I built a silly first-person shooter in Unity. The aim of the game is to submit all coursework at stations hidden around the map within a time limit. However, as you are attempting to do this, you are being chased by 'Deadline Demons' which will send you back to the start if they catch you!

## More about me

### I want to work for a company that...

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### I prefer thinking about problems that are...

I prefer thinking about problems that are complex and challenging, as I enjoy difficult problems which require creative solutions. I am particularly drawn to problems that have a real-world impact and require a multi-disciplinary approach.

### Outside of work I...

Outside of work I enjoy playing a wide range of video games with friends as a way to unwind. Specifically, I have been playing classic wow hardcore and league of legends, which are games that require teamwork, strategy and quick thinking.

### Interests

Video Games, Rugby League, Thai Food, and Hackathons.