Jack Maskell

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Current role	Software Engineer at Darktrace
Experience	Artificial Intelligence, Cyber Security
Technologies	CSS, HTML, JavaScript, jQuery, Node.js, Vue.js, MySQL, Git

At work I'm best at…
Doing what needs to be done. Software engineering can sometimes be chaotic. I pride myself on jumping on important challenges, exciting or not, and working hard to deliver them.

Work experience

Software Engineer, Darktrace 🏢   Jul 2021 – Present (2y 10m)

Protects digital infrastructure using machine learning
Artificial Intelligence · Cyber Security

`CSS` `HTML` `JavaScript` `jQuery` `Node.js` `Vue.js` `MySQL` `Git`

- Designed and implemented new systems for the company's CRM software using vue.js / jQuery, node.js, and mySQL, including a partner verification system that prevents fraudulent transactions and saves thousands.
- Redesigned legacy systems, like the contract amendment system, to enhance usability and code quality, reducing manual work for the legal team during critical periods.
- Provided training and guidance to junior team members, performing thorough code reviews.
- Managed deployment of code to live servers, monitored logs, and resolved server errors.
- Resolved critical bugs promptly to prevent lost deals and save company resources.
- Stood in as application lead, coordinating scrum activities, communicating with stakeholders, and resolving issues like failed API syncing.

Education

The University of Sheffield   Sep 2018 – Jun 2021 (2y 9m)

Bachelor's Degree (1st) Artificial Intelligence and Computer Science
- Led teams in multiple software engineering projects from requirement elicitation to delivery.
- Prize winner in the 2020 Hackathon for a chrome extension that removes invasive cookie popups.
- Won the Engineers in Business competition by pitching a swarm robotics solution to precision agriculture.

The University of Sheffield   Sep 2016 – Jun 2017 (9m)

Bachelor's Degree (Unfinshed) Physics

The Open University   Feb 2014 – Jun 2015 (1y 4m)

Foundation and First Year (Pass) Physics

Snippets

Community Flavour Pack 🔗 **communityflavorpack.com**

I am part of the core team for Community Flavor Pack, the most popular Crusader Kings 3 mod with over 400,000 downloads. The project adds historically accurate and documented visual flavour to the game to enhance gameplay without affecting balance or gameplay.

Dice Roll App for Traditional RPGs 🔗 **github.com**

I created a 3D, physics based dice rolling app for tabletop RPGs in Unity Engine using C#.

Engineers in Business Competition 🔗 **www.eibf.org.uk**

I competed in a multi-stage Engineers in Business competition, where I worked with a team to design and pitch an innovative swarm robotics solution to precision agriculture that aimed prevent the overuse of pesticides and fertilisers.

After winning first place in the University of Sheffield competition, we advanced to the grand final, where the top 10 teams from across the country pitches their engineering ideas in a live TV format. The team claimed the people's vote prize.

Traditional Chinese Clothing Shop 🔗 **kateyang.co.uk**

I'm currently building an e-commerce shop to sell traditional Chinese clothing using vue.js / node.js /mySQL.

More about me

I want to work for a company that...

Is trying to make the world a little bit better and can leverage my skills to help fulfill that vision.

At work I'm best at...

Doing what needs to be done. Software engineering can sometimes be chaotic. I pride myself on jumping on important challenges, exciting or not, and working hard to deliver them.

Right now I'm learning...

How to set up an externally hosted server, deploy a project to it, set up the database etc. Starting a brand new project isn't something that we get to do often professionally, so I'm looking to build this knowledge in my free time.

Interests

Cooking, History, Gaming, Modding, Language Learning, Metal Detecting