

# JACK MASKELL

## SOFTWARE ENGINEER

Brighton | jackmaskell.com

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Vue.js | Vuetify | Javascript | JQuery | Node.js | MySQL | Git | HTML | CSS

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## SUMMARY

Software Engineer with 4 years of experience in full-stack web development. Adept in front and backend Javascript technologies. Skilled with mySQL. Experienced at onboarding and mentoring junior developers.

## EXPERIENCE

### DARKTRACE

*Mar 2025 - Present*     **Specialist Software Engineer**

- Took ownership of several software projects.
- Managed communication with stakeholders.
- Key player in aiding the transition to a third-party platform.

*Jul 2021 - Mar 2025*     **Software Engineer**

- Designed and implemented new full-stack systems for the company's in-house CRM software, including UI design and implementation, backend and database design.
- Created and documented several reusable UI components, including a date range selector, comment section and uploader component.
- Redesigned legacy systems from the ground up to enhance usability and code quality, as well as reduce the need for manual work during critical periods.
- Provided training, guidance and onboarding to junior team members and performed thorough code reviews.
- Deployed code to live servers, monitored logs, and resolved server errors.
- Stood in as application lead, coordinating scrum activities, communicating with stakeholders, and resolving issues like failed API syncing.

## EDUCATION

### UNIVERSITY OF SHEFFIELD

*2018 - 2021*     **BSc (Hons) Artificial Intelligence and Computer Science - 1<sup>st</sup> Class**

- Led teams in multiple software engineering projects from requirements elicitation through to delivery.
- Won the Engineers in Business competition by pitching a swarm robotics solution for precision agriculture.,
- Wrote my dissertation on AI grammar correction in Python.

*2014 - 2016*     **BSc Physics (OpenPlus)**

- Learned how to use Python in a scientific setting.

- Honed skills in advanced mathematics such as Fourier techniques, partial differential equations, and quantum mechanics.
- Learned about the physics behind medical imaging technology and how electromagnetic radiation is used in radiography, CT, and MRI

## PROJECTS

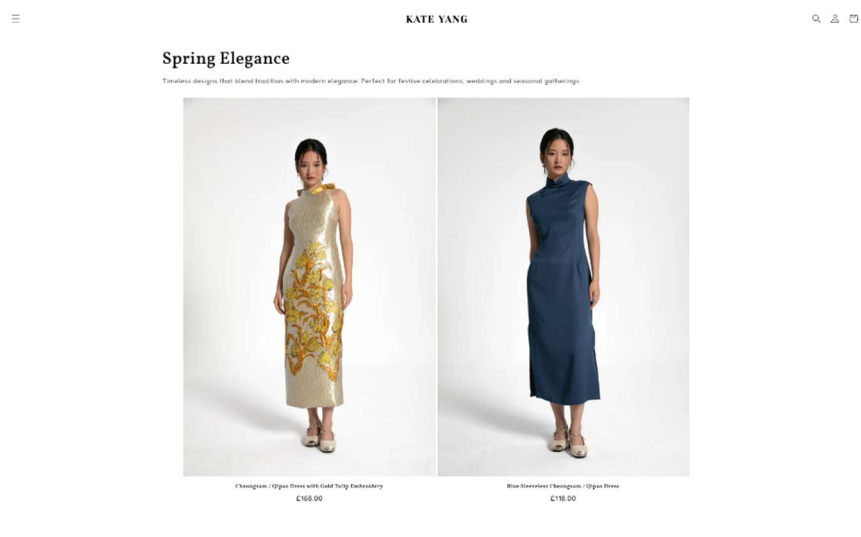
### COMMUNITY FLAVOR PACK

For four years, I have been part of a core team of two on Community Flavor Pack, the most popular Crusader Kings 3 mod. The project adds historically accurate and documented visual flavour to the game to enhance the experience without affecting balance or gameplay. My contributions of 2D graphics, textures, and game code have helped the mod grow to over 500,000 downloads.



### KATE YANG

I'm running an e-commerce shop selling traditional Chinese clothing. Through this I've gained skills in photo editing, search engine optimisation, load speed optimisation and learned how to design websites to maximise conversions.



### DICE ROLL APP FOR TABLETOP GAMES

A work in progress dice-roll app designed to be used for tabletop games. Built in Unity Engine using C#. Served as my introduction to C#, 3D graphics and android application programming.