

EXPERIENCE

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MISCELLANEOUS EXPERIENCE

Individual Projects

Software Development

- Developed reusable and modular code components in React that allowed for scalability of future web applications.
- Worked with version control systems such as Git to manage code changes and collaborate with other team members.
- Built and maintained robust and scalable databases using technologies such as MySQL and MongoDB for uses in stock management applications.
- Explored machine-learning platforms, mainly TensorFlow, by training a custom object-detection model using my own dataset.
- Designed and implemented RESTful APIs to facilitate communication between the front-end and back-end of software applications.
- Successfully completed the JPMorgan Chase & Co. Software Engineering Virtual Experience course, gaining practical experience in developing financial applications.
- Employed ethical hacking techniques and participated in controlled cracking exercises to test the effectiveness of security controls whilst completing virtual work experience with Goldman Sachs.
- Co-developed a website for Sheffield University iForge; which facilitates control over a network of 3D printers, and orchestrated a seamless print job submission process for hundreds of monthly users.
- Partnered with a prominent digital marketing firm based in Dubai, to present and highlight the company's array of services by developing a NextJS website.
- Developed a custom CNN for flower classification using PyTorch and the Oxford Flowers 102 dataset, documented in an accompanying scientific paper for a university module.
- Gained experience in using a large computer cluster, submitting batch jobs and managing large computational resources efficiently for complex data processing tasks.

TECHNICAL STRENGTHS

Programming Languages	Python, Java, HTML, CSS (+Tailwind), JS, TS
Technologies	React, Node, Vue, Next, Docker
Databases	MySQL, MongoDB
Tools	Git, Linux, L ^A T _E X, Firebase, Fusion 360 (CAD)
Graphics Design	Photoshop, Illustrator, InDesign, Premiere Pro, AfterEffects, Figma

References available upon request