

Tian Xia

skysommer0317@gmail.com

Linkedin: <https://www.linkedin.com/in/tian-xia-123856291>

Personal Website: <https://eriandeath.github.io/blog/>

+353-0874775424

Dublin, Ireland

SKILLS

JavaScript, Python, C, R, SQL, Git, HTML/CSS, Figma, Adobe Illustrator, Adobe Photoshop

SUMMARY

I'm a passionate full-stack developer and designer with interdisciplinary backgrounds.

EDUCATION

M.Sc. in Human Computer Interaction	University College Dublin	Sep, 2023 - Aug, 2024
• <i>Achieved 2:1 degree</i>		
B.E. in Aircraft Design and Engineering	Northwestern Polytechnical University	Sep, 2016 - Jul, 2020

WORK EXPERIENCE

User Experience Designer	Myndgard	May, 2024 - Aug, 2024
Intern		
<ul style="list-style-type: none">• Collaborate with teammates to optimise the user experience of the Myndgard Pre-therapy app.• Conducted literature reviews and research on data visualisation.• Designed the team logo and produced physical representation using laser cutting and 3D printing.• Designed and developed user-centred home, question and report pages using Figma, improving user experience through iterative prototyping and user feedback.• Designed the layout and colour palette of the team portfolio.• Click here to view personal portfolio.		
Research Assistant	Northwestern Polytechnical University	Jul, 2020 - Feb, 2021

PERSONAL PROJECTS

Flask Todo List Web App	(Click on the title to view the project)
<i>A full-stack web application built with Flask and SQLAlchemy.</i>	
Python, Flask, SQLAlchemy, JavaScript, HTML5, CSS3, Git	
<ul style="list-style-type: none">• Implemented secure user authentication using Flask-Login and bcrypt password hashing.• Designed a responsive application with dynamic content updates using vanilla JavaScript• Built RESTful API endpoints for CRUD operations with proper error handling and input validation.• Integrated SQLAlchemy ORM for efficient database management and relationships.• Implemented real-time UI updates using asynchronous JavaScript (fetch API).• Created a theme-switching system with persistent user preferences using localStorage.• Deployed on Heroku using Gunicorn for production-grade server handling.• Implemented proper security measures including CSRF protection and secure password storage.	
Chrome T-rex Game	(Click on the title to view the project)
<i>Developed a mini-game mimicking Chrome's T-rex game using JavaScript.</i>	
JavaScript, CSS, HTML	
<ul style="list-style-type: none">• Utilised DOM manipulation and Flexbox for layout and gameplay elements.• Implemented CSS keyframe animations to move the background, simulating the character's forward movement.• Simulated gravity for jump mechanics and wrote functions to control obstacle generation.	