

Advocate of interdisciplinary collaboration & open-source software solutions.

Curious by nature, possessing a discerning eye for aesthetics and attentiveness to detail.

Passionate about crafting seamless digital experiences to practise UI design with improved accessibility.

Thrilled to apply skills & knowledge to address real-world problems in a creative & innovative environment.

## Skills

- React
- TypeScript
- Procreate
- Bootstrap, Tailwind, SCSS
- RESTful APIs
- Node.js
- JavaScript
- Figma & Miro
- Bash, Terminal workflow
- Adobe Illustrator / Inkscape
- Next.js
- PostgreSQL
- Python / R
- Git / GitHub version control
- statistics, hypothesis testing

### Other Languages

English

*native proficiency*

Japanese

*native proficiency*

French

*conversational, reading & writing proficiency*

## Major Projects

### Next.js Web-Application Personal Portfolio Website

2024

Vercel & React.js

London, UK

- Built a portfolio (<https://lysts.vercel.app/>) in Next.js to learn the latest React.js optimisations using TypeScript, CSS, Framer Motion, Resend, and more. Includes a contact form, a simplistic interface, and subtle animations.

### Undergraduate Research *Oestrous Cycle Dependent Modulation of Cortical & Hippocampal Formation Activity*

2023

The Rochefort Lab, Centre for Discovery Brain Sciences

Edinburgh, UK

- Drove analysis and visualisation of brain activity data obtained using cutting-edge neural recording techniques in mice using Python. Collaborated & presented with professional neuroscientists, informaticians, technicians.

### Game Development & Design Artist Role

2022 – 2023

Independent Groups (*Ludum Dare, itch.io*)

Edinburgh, UK

- Teamed up with UX/UI/sound designers and game programmers, globally. Gained familiarity with FMOD and Unity. Used Procreate & Adobe Illustrator for art. Advised storyline and UX/UI changes to elevate product.

### Treasurer (Executive Committee Board Member) & Librarian

2020 – 2023

Edinburgh University String & Chamber Orchestra

Edinburgh, UK

- Analysed and managed finances (e.g., tour expenses); brought a society out of debt during COVID-19, raising annual revenue by 6-fold over the last 3 years. Organised, distributed, and archived music score libraries.

### HP Mars Home Planet Competition, Global Shortlist Qualifiers

2018

Hewlett Packard

Japan

- Conceptualised, designed, and nationally presented sustainable and energy-efficient transportation solutions for human life envisioned on Mars, in collaboration with Kaisei Academy (KIA) & Toshima-gaoka Academy.

## Education & Certifications

### Complete 2024 Web Development Bootcamp Full-Stack Development Course by Dr. Angela Yu

2023 - 2024

Udemy Platform

London (remote), UK

- Practised full-stack engineering tools: CSS Bootstrap, React.js, JavaScript/TypeScript logic, design concepts, SQL/PostgreSQL, authentication, firebase, Git/GitHub, Postman/REST/APIs, and Bash. Certification received.

## Bachelor of Science in Biomedical Sciences, Neuroscience Honours

2019 – 2023      **The University of Edinburgh, College of Medicine & Veterinary Medicine**      Edinburgh, UK

- Certified in animal care and surgery. Explored biomedicine, biology, biochemistry, and anatomy/development.

## Middle & High School Diploma, Academic Merit Award, AP Scholar Award

2011 – 2019      **The International School of the Sacred Heart**      Tokyo, Japan

- Advanced Placement in English Language & Composition, Calculus AB, Calculus BC, French Language, Chemistry, and Biology. Awarded for achieving grades above A- in 70% or more of subjects taken. Awarded in Fine Arts for

## Employment Experience

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### Freelance Artist & Composer

2019 – 2024      **Self-employed Service**      (remote) International

- Provided interface design ideas & graphical elements (e.g. favicons). Currently working on artwork for a podcast on addiction science and a start-up in protein research based in Seattle, Washington.
- Composed, recorded, and mixed for a film track commission for Bournemouth filmmakers using Reaper.

### Academic & Fine Arts Tutor

2018 – 2022      **Self-employed Service**      Japan & UK

- Covered a wide range of academics & music for youths with personalised action plans or violin/music lessons.

### Instructor & Teaching Assistant for Tokyo Metro

2018 – 2022      **Tokyo Metro**      Tokyo, Japan

- Created interactive guidance sessions and educational films engaging Tokyo Metro employees in preparation for the 2020 Tokyo Olympics. Resolved nuanced English translation issues, improving customer satisfaction.

### Financial Advisor, Marketing, & Personal Assistant

2019 – 2020      **Tokyo Sinfonia, Internship**      Tokyo, Japan

- Evaluated and identified financial shortcomings and long-term budgeting solutions. Secured sponsorships and strategised marketing via press conferences and social media. Tailed conductor in apprenticeship.

### Translator & Editor

2016      **BNN, Inc. Publishing Company**      Tokyo, Japan

- Proofread & translated 100 artist profiles for an illustration showcase book (English & Japanese).

## Other Experiences

- **Concertmistress, Co-leader, Soloist, & Member of** Edinburgh University String, Chamber, & Symphony Orchestras (2019 - 2023), KPASSP Honour Orchestra & Choir (2015 - 2019), Show Choir (2015 - 2019, Chicago Festival of Gold), Vocal Ensemble (Maastricht International Choral Competition 2019), Tokyo Junior Philharmonic (2011 - 2014)
- **National Competition Winner in Violin Performance** (Silver Place, AJAA 2015), Gala Concert Performer Qualifier
- **Customer Service & Translator** for International Diners Club Card Ginza Lounge (2019)
- **Translator & Description Curator** for Art Exhibitions (2016 - 2019)

## Current Endeavours

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- Self-learning data structures and algorithmic paradigms for modelling computational problems
- Expanding React.js portfolio website design to archive past projects
- Prototyping an open-source application with a software engineer colleague and mentor
- Experimenting with **Langchain API**
- Optimising terminal-first workflow & blog-building with Pelican & GitHub

*References available upon request.*