

Lyla Taguma

Neuroscience Graduate & Aspiring Frontend Developer

Passionate about crafting seamless digital experiences and innovative software solutions with clean form & function to address ever-evolving real-world problems.

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[LinkedIn](#) ■ [Portfolio](#) ■ [GitHub](#)

01 SKILLS

JavaScript (TypeScript)
HTML / CSS
React.js, Node.js
PostgreSQL
Python / R
Git, Bash
Procreate, Adobe
Figma & Miro
Webflow

Web Development & UI Design
Authentication & API Testing
Wireframing, Prototyping
Illustration & Graphic Design
Data Science
Scientific Figures
Japanese & English (Native)
French (Conversational)

04 EDUCATION

University of Edinburgh

Sep 2019 - July 2023

BSc Biomedical Sciences,
Neuroscience Honours 2:1
Edinburgh, Scotland

International School of the Sacred Heart

High School Diploma, 2019

Advanced Placement Scholar,
Merit & Fine Arts Awards
Tokyo, Japan

05 CERTIFICATES & AWARDS

**2024 Full-Stack
Development Bootcamp**
Mar 2024 Udemy Dr. Angela Yu

HP Mars Home Planet Competition

2018 Global Shortlist Qualifiers
Nationally (JP) presented
sustainable transportation
solutions for human life
envisioned on Mars

Other Competitions

2019 Maastricht Choral, Global: 1st
(Vocal Ensemble, Maastricht)

2018 Festival of Gold, Global: 1st
(Mixed Show Choir, Chicago)

2015 AJAA, National: 2nd
(Violin Performance, Tokyo)

02 PROFILE

Multidisciplinary artist with a background in cognitive sciences, music, and healthcare outreach communities. Dedicated to leveraging technology and design to craft accessible and impactful products that people need and love.

03 EXPERIENCE & PROJECTS

Present

Self-employed Service

Ongoing commissions:

- London-based addiction sciences podcast
- Seattle-based protein research start-up.

Mar 2024

Full-stack Dynamic Website Project

<https://lyla-taguma.com>

Aug 2023

Experimental Static Website Project

<https://lysts.xyz>

Jan - July 2023

Discovery Brain Sciences

Edinburgh, UK

Research: Oestrous
Cycle Dependent
Modulation of Cortical
& Hippocampal
Formation Activity

Aug 2020 - July 2023

EUString & EUChamber Orchestras

Edinburgh, UK

Jun 2019 - Sep 2019

Tokyo Sinfonia, Internship

Tokyo, Japan

Additional Experience

2020 - 2023 Concert mistress/Soloist & Co-leader EUString, Chamber, Symphony Orchestras

2019 Customer Service & Translator liaising with customers for International Diners Club Lounge

2019 Tokyo Metro English Instructor created films to train staff English abilities for 2020 Olympics

2018 Academic & Music Tutor for youths ages 9 to 18, violin lessons & direction of 50+ singers

2016 Translator for BNN Inc. Publisher: translated 100 artist profiles for illustration showcase book

Freelance Designer

- Unified efforts with sound designers and game developers as an artist and UX/UI advisor to elevate game development products within tight deadlines (3 day to 1 month range) whilst gaining familiarity with FMOD and Unity.
- Delivered impactful brand identity designs via logos/favicons.
- Composed, recorded, and mixed film tracks in Reaper for Bournemouth filmmakers.

React.js Web Application

- Built a React portfolio website from scratch to deployment.
- Implemented a minimalistic design with hand-drawn elements, multiple pages, toggle menu, contact form, and responsive UI with Framer Motion, Tailwind CSS, Next.js optimisations, and Resend.

Pelican Blog Website

- Built a personal blog from scratch using Pelican (Python-based static site generator) and GitHub Pages.
- Lightweight static website with terminal-centric system where pages content is saved as reStructuredText files.

Undergraduate Researcher, Rochefort Lab (CDBS)

- Simplified pipeline scripts in Python for bulk data analysis and visualisation of mouse brain activity data acquired through high-throughput neuronal recording techniques (Neuropixels).
- Coordinated seamlessly with peers via GitHub.
- Remedied errors in morphological profiling, improving data quality by 32%.
- Presented findings contributed to securing grant funding.

Treasurer (Executive Board Member) & Librarian

- Utilised Python and Excel to automate transaction calculations, increasing orchestra revenue by 6-fold during the pandemic.
- Rectified financial discrepancies to mitigate society debt with fundraising efforts and an efficient budgeting system.
- Built a music score archive database to streamline music distribution amongst chamber members.

Financial Advisor, Marketing, & Personal Assistant

- Evaluated long-term budgeting solutions for financial deficits.
- Secured sponsorships and strategised marketing via press conferences and social media.
- Tailed Maestro Robert Rÿker in conductor apprenticeship.