

# Lyla S. Taguma

NEUROSCIENCE GRADUATE · ASPIRING FULL-STACK SOFTWARE ENGINEER

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Curious by nature. Advocate of interdisciplinary collaboration. Passionate about climbing and music.  
Eager to apply my skills & knowledge to address real-world problems in a creative and innovative environment.

## Volunteering & Projects

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

2023 - 2024      [Udemy Platform](#)      London (remote), UK

- Covers tools such as CSS Bootstrap, React.js, JavaScript/TypeScript logic, web design concepts, SQL/PostgreSQL, authentication, firebase, Git/GitHub, Postman/REST/APIs, and Bash. Certification received.

### 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. Collaborated and 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.

### 2<sup>nd</sup> Place National Competition Winner (Violin Performance)

2015      [All Japan Art Association \(AJAA\)](#)      Japan

- Practised attention to detail, teamwork, rigour & self-discipline of preparatory practice in a multi-stage competition format. Qualified candidate gala concert performer.

## Education

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### 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 and Calculus BC, French Language, Chemistry, and Biology.

# Employment Experience

## 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 and educational films engaging adult English language learners. Gave feedback through hybrid sessions to resolve common 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. Established sponsorships and strategised marketing via press conferences and social media. Tailed conductor in apprenticeship.

## Translator & Editor

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

- Proofread & translated 100 artist profiles for an illustration showcase book.

# Other Experiences

- **Design Interface Ideas, Commissioned Favicons, & Other Graphical Elements** for web development
- **Concertmistress, Co-leader, Soloist, & Member of** Edinburgh University String, Chamber, and Symphony Orchestra, KPASSP Honour Orchestra & Choir, Show Choir (Chicago Festival of Gold, Choral Competition), Vocal Ensemble (Maastricht International Choral Competition), Tokyo Junior Philharmonic Orchestra
- **Customer Service & Translator** for International Diners Club Card Ginza Lounge
- **Translator & Description Curator** for Art Exhibitions
- **Film Track Commission** for Bournemouth filmmakers—composed, recorded, and mixed with Reaper

# Skill Summary

Languages	English	<i>native proficiency</i>
	Japanese	<i>native proficiency</i>
	French	<i>conversational, reading &amp; writing proficiency</i>
Hard & Soft Skills (+2/3 years of experience)	Data manipulation, analysis, and visualisation in Python, R, MATLAB, & Excel, SQL	
	Statistics, hypothesis testing, & mathematics	
	Design and 2D Art in Adobe Illustrator & Procreate	
	Scientific figure-making in Inkscape	
	Web-development: HTML/CSS (Tailwind), JS/TS (Node.js, Next/React.js)	
	Terminal & Git/GitHub workflow	
	Versed in Figma, Miro, & Notion for product planning and projects	

# Current Endeavours

- Self-learning data structures and algorithmic paradigms for modelling computational problems
- Built portfolio in **Next.js** to learn the latest optimisations for React.js (deployed in Vercel)
- Setting up an open-source application with a software engineer colleague
- Experimenting with **Langchain API**
- Optimising terminal-first workflow & blog-building with Pelican & GitHub

*References available upon request.*