

# Yuting Tseng

Software Engineer

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📍 London

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## WORK EXPERIENCE

### Software Engineer Astex Pharmaceuticals

08/2023 - Present

Cambridge

*Specialising in Drug Discovery through Fragment-based Techniques*

*Achievements/Tasks*

- Leading the development and upkeep of a diverse codebase spanning over 10 applications across various programming languages. Proficient in swiftly understanding unfamiliar codebases and pinpointing issues.
- Translating internal user requirements into efficient, scalable solutions, demonstrating adept resource management to ensure optimal outcomes.
- Acting as the primary liaison with the Biologics department, successfully addressing a backlog of feature requests within initial months, thereby enhancing departmental functionality and satisfaction.
- Significantly contributing to documentation and refactoring endeavours, enhancing the reliability and readability of legacy applications. Advocated for streamlined workflows through the adoption of tools like Asana, fostering greater team efficiency.
- Proficiently operating as a full-stack engineer, utilising a common stack comprising Oracle Database, Flask, and React to ensure seamless integration and functionality across the technology stack.
- Notable projects include developing web tools in React and Flask to track high-throughput biological experimental pipelines and analyse chemical properties, advancing the drug discovery process.

### R&D Engineer Blakbear

06/2022 - 08/2023

London

*Combat food waste with smart digital sensors*

*Achievements/Tasks*

- Devised technical solutions for complex hardware and software challenges, showcasing adaptability, rapid learning, and independent problem-solving skills.
- Managed end-to-end data collection processes, from coding embedded systems to transmitting sensor data via pub/sub to the cloud, and constructing ETL pipelines on GCP.
- Prototyped wireless sensing and gateway devices using C++, demonstrating the ability to learn new development platforms independently and efficiently.
- Designed and conducted food-related experiments initially, then trained a new team member on experimental workflows and foundational technical skills (Jupyter Notebook, Matplotlib, Git).
- Played a significant role in cultivating a positive company culture within a startup environment through ongoing dialogues with founders and colleagues.
- Thrived in a dynamic environment that necessitated continual adjustment of goals and objectives to meet evolving requirements.

## SKILLS

Python

Flask

Javascript

React JS

SQL

Oracle

MySQL

BigQuery

HTML5/CSS

GCP

C++

Perl

Git

CI/CD

Unix/ Linux

Arduino

## EDUCATION

### MSc Bioinformatics Imperial College London

09/2021 - 07/2021

Distinction

### BSc Biochemistry University of Warwick

09/2016 - 06/2020

First Class Honours

### Academic exchange in Japan University of Nagoya

08/2018 - 06/2019

### A-level: Maths, Biology & Chemistry Blackpool Sixth Form

A\*AA

## LANGUAGES

English

Native or Bilingual Proficiency

Mandarin Chinese

Native or Bilingual Proficiency

Japanese

Full Professional Proficiency

German

Full Professional Proficiency

## INTERESTS

Boardgames

Reading

Language learning

Rubik's cube

Cooking