Yu Jo Tseng

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Education

University of Edinburgh **BSc Computer Science**   Sep 2016–May 2020

- First-class honours expected
- Course topics: Machine learning, language processing, vision, robotics, algorithms/data structures
- Tutor: Leading tutorials for Introduction to Software Engineering
- Class rep: Represented my class and communicated student feedback to the University

Work Experience

Administrate **Software Engineering Intern**   Jun 2018–Aug 2018

- Worked in a team on the backend of the Training Management System using **Python** and **SQLAlchemy**.
- Added functionality to the **GraphQL API** to improve the system as an integrable product.
- Implemented security layers and fixed bugs to increase customer success and refactored legacy code for higher code maintainability.
- Followed Test Driven Development and the Agile method.

Projects

Party Buddy **Amazon Early Insights Hackathon**   Apr 2018

- Created and demoed an Alexa skill that assists in party organisation using **Flask-Ask**, the **Alexa Skills Kit** and the **Google Calendar API**, in a team of three.

Expense Logger   Aug 2017–Oct 2017

- Built an Android app to improve personal financial management using **Java** and an **SQLite** database.
- Made charts using the **MPAndroidChart** library to visualize expense analyses.
- Accumulated over 400 downloads on SlideME at http://slideme.org/application/expense-logger.

Bohred Atoms   Dec 2016–Feb 2017

- Created a local multiplayer 2D shooter game for browsers and Windows PC using **Unity** and **C#**.
- Implemented the game objects, shooting mechanics, collision detection system and game UI.
- Published to itch.io at https://uro.itch.io/bohred-atoms.

Extracurricular Activities

FreshAir Radio Station **Webmaster**   Jul 2018–Present

- Brought the University radio station back on-air after a 6-month downtime by configuring the servers and setting up the necessary applications under a tight deadline.
- Maintaining and improving the website built with **Ruby on Rails**, the broadcast control site supported by a **Flask API** and the audio streaming **infrastructure**.

Embedded and Robotics Society **Partnership Manager**   Sep 2017–Present

- Mentoring in electronics and robotics workshops for 25 students on devices such as **Arduinos** and **Micro Bits**.
- Co-organized the 24-hour hardware hackathon CreatED, which was attended by around 100 students, and secured 5 sponsorships for it.

Google CodeU Program **Participant**   May 2018–Aug 2018

- Solved various coding problems alone and with selected CS students from EMEA, with a focus on using industry best practices.
- Reviewed other participants' code and received code reviews from a Google engineer.
- Contributed to the group solution that was recognized as the best solution in **Java** by judges.

Skills

Languages: Java, Python, SQL, HTML/CSS   **Technologies:** GraphQL, SQLAlchemy, SQLite, Git, Unix/Linux, Unity