Hongyang Lin

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Education

Bachelor of Science in Computer Science   Expected 2023

GPA: 3.xx   University of Maryland, College Park

- University Honors College
- Dean's List (2019 – 2022)

Skills

Programming languages:

- Intermediate in Swift, C, Java, Python, JavaScript, HTML, CSS, Ruby, OCaml
- Familiar with Rust, C++

Language:

- Native in Chinese, full professional in English

Experience

University of Maryland, College of CMNS

Teaching assistant of CMSC 216: Introduction to Computer Systems   *Sep 2021 – Dec 2021*

- Responsible for conducting office hours, class forum responses, and course grading.

University of Maryland

CSSA (Chinese Students and Scholars Association)

Technical branch member   *Sep 2019 – Mar 2021*

- Participated in development of a web app for internal evaluation of CSSA members.
- Designed user interface for tracking evaluation progress.
- In charge of front-end functionality development of the evaluation website, including reset user password, administration interface, and member information update.

Projects

iOS Note App

Language: Swift

- Designed for people to track their daily life, including functionalities of writing diaries, making to-do lists, and taking notes.
- In charge of overall app logic and interface design, implemented app animation, share panel, and overall user interface.

World happiness analysis

Language: Python

- Using Pandas and NumPy to analyze countries with different levels of happiness, enable data visualization, and quantify the factors that affect countries' happiness level based on a machine learning algorithm (linear regression).
- In charge of designing and implementing data graphs, cooperated with teammates to design and implement the machine learning algorithm.