William Ma

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Website | Github | Linkedin

EDUCATION

Webb School of California, Claremont, CA   **August 2018 - June 2022**
- **wGPA:** 3.9; **SAT**: 1520 (M: 760, R: 760); **ACT**: 34
- **Relevant Coursework:** AP Computer Science Principles (A+), Hon Precalculus (A)

SKILLS

Languages
- English – Fluent
- Mandarin – Conversational
- Cantonese – Conversational

Technical Skills
- Frontend - Adobe XD, Figma, ReactJS, Redux, GatsbyJS, Javascript, HTML, CSS
- Backend - NodeJS, Express, Apollo, REST, GraphQL, PostgreSQL
- Misc. - Python, Unity

WORK EXPERIENCE

Tutoring   **June 2021**
- Tutored a 6th-grade student on Python turtle.

Starlit Voice – Audio Technician & Board Operator   **July 2018; July 2019**
- Assisted in the creative design for lighting and audio departments.
- Operated QLab during productions

PROJECTS

Nextbus (React)   **June 2021**
https://nextbus.willma.me
- Music Party syncs up your music with friends and allows everybody to control the music remotely.
- Nextbus is a web app that shows the ETA of buses in Hong Kong.
- Developed web app with React (CRA)
- Utilized third-party APIs to retrieve bus ETAs with Axios.

Music Party   **January 2021**
https://bit.ly/3x6vtWe
- Music Party syncs up your music with friends and allows everybody to control the music remotely.
- Designed Chrome Extension with Adobe XD.
- Used Firebase Cloud Hosting for database and cloud functions.
- Integrated Spotify's third-party API.
- Developed frontend with vanilla Javascript, HTML, and CSS.

Personal Website   **March 2021**
https://willma.me
- Designed website with Adobe XD.
- Developed website with GatsbyJS.
- Used GraphQL for queries.

- Utilized JAMStack with Netlify CMS for site architecture and hosting.
- Implemented internationalization with I18N

NextBus Web App

https://bit.ly/3uYE77C (Github Repo)   **December 2020**
- NextBus is a web app that displays the ETA of Hong Kong Citybus buses.
- Developed web app with Django framework.
- Designed website with Adobe XD.
- Implemented design with vanilla HTML and CSS.
- Utilized third party APIs to retrieve bus ETAs.

Flappy Bird Game   **November 2020**

https://simmer.io/@Willma/flappy-bird
- Used Unity to create a flappy bird game.
- Implemented physics and collision detection system.

Tech Black   **August 2020**

https://techblack.shop
- Created ecommerce store with Shopify.
- Designed graphics for apparel.

EXTRA CURRICULAR ACTIVITIES

Technical Theater   **August 2018 - 2021**

Lighting Crew Chief & Club Secretary, USITT Student Chapter
- Led team of 7 students to execute lighting designs for theatrical productions.
- Trained students in rigging, focusing, programming, and operating a scissor lift.
- Developed contingency plans for hardware failure.
- Architected Inventory Management System and Equipment Repair System with Airtable.
- Designed show files with Vectorworks
- Designed and programmed lighting designs