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HSIAO TUNG HO

EXPERIENCE

Experience Designer	**California Academy of Sciences**	**Fall 2014 – Spring 2016**

- Developed and tested new museum guest experiences
- Successfully finalized and presented proposed projects for approval

Museum Guide	**California Academy of Sciences**	**Summer 2014 – Spring 2016**

- Delivered speeches, presentations, and activities on museum floor
- Oversaw and administered museum public events

Mission Techie Intern	**Mission Economic Development Agency**	**Summer 2015**

- Provided tech support services to low income families
- Hardware diagnostics and repair. Learned software and computer networking

EDUCATION

Los Angeles, CA	**University of Southern California**	**Spring 2017 – Spring 2020**

- Current Rising Sophomore — GPA: 3.85
- B.S. in Computer Engineering and Science, Spring 2020
- Relevant Courses Taken: Discrete Math, Data Structures and Object Oriented Design, Embedded Systems

San Francisco, CA	**Lowell High School**	**Fall 2012 – Spring 2016**

- Graduated — Honors; GPA: 3.8 unweighted, 4.3 weighted

TECHNICAL EXPERIENCE

Projects

- **Amazon-Mockup** (2017). Efficient database manipulation - search, add, purchase - all in a user friendly GUI. Supports multiple users with login feature. (C++)
- **Alarm Clock** (2017). Alarm clock built with Arduino, LCD shield, rotary encoders, rs232 and tri-state buffer ICs, thermometer sensor. (C)
- **Fusor** (2015-2016). Nuclear fusion reactor. Hobby project involving soldering ,brazing, machining, circuitry.
- **QuickDial** (2015). Android Mobile Application. Allows users to quickly reply without looking at the phone. Direct access to custom contacts in case of emergencies.
- **Web Applications** (2014-2017). games and interactive art. (Java, Processing Library)

ADDITIONAL EXPERIENCE

- **Hackathons** (Spring 2017).
  - TrojanHacks - Auto generating spotify playlist based on your location. PHP.
  - LAHacks - accuFact: Web platform for scoring article credibility. JavaScript using the News API.
- **Boeing Design Challenge** (Spring 2017). Designed an asteroid capture module with custom payload system. Optimized reliability, weight, cost, and time
- **HackClub** (Summer 2016). Workshop of HTML/CSS and Javascript. Projects on github.

Languages and Technologies

- C; C++; Java; JavaScript; Python; HTML; CSS
- Linux/Unix environment
- Arduino/Raspberry Pi
- Microsoft Office