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# HSIAO TUNG HO

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## EXPERIENCE

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<b>Experience Designer</b>	<b>California Academy of Sciences</b>	<b>Fall 2014 – Spring 2016</b>
<ul style="list-style-type: none"><li>• Developed and tested new museum guest experiences</li><li>• Successfully finalized and presented proposed projects for approval</li></ul>		
<b>Museum Guide</b>	<b>California Academy of Sciences</b>	<b>Summer 2014 – Spring 2016</b>
<ul style="list-style-type: none"><li>• Delivered speeches, presentations, and activities on museum floor</li><li>• Oversaw and administered museum public events</li></ul>		
<b>Mission Techie Intern</b>	<b>Mission Economic Development Agency</b>	<b>Summer 2015</b>
<ul style="list-style-type: none"><li>• Provided tech support services to low income families</li><li>• Hardware diagnostics and repair. Learned basics of software and computer networking</li></ul>		
<b>Tutor</b>	<b>Up!Grade Learning Center</b>	<b>Summer 2014</b>
<ul style="list-style-type: none"><li>• Taught elementary to middle school English and math</li></ul>		

## EDUCATION

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<b>Los Angeles, CA</b>	<b>University of Southern California</b>	<b>Spring 2017 – Spring 2020</b>
<ul style="list-style-type: none"><li>• Current Sophomore — GPA: 3.85</li><li>• B.S. in Computer Engineering and Science, Spring 2020</li><li>• Courses Taken/Taking: Discrete Mathematics, Data Structures and Object Oriented Design, Embedded Systems, Digital Systems Design, Principles of Software Development, Information Security</li></ul>		

## TECHNICAL EXPERIENCE

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### Projects

- **StoryBot** (2017). Choice driven story chatbot deployed through messaging services. Users can build and save their own story using an online system. Built using the Microsoft bot framework, natural language processing, npm packages such as express.js, and Microsoft Azure. (JavaScript, Node.js)
- **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 machining and circuitry.
- **Web Applications** (2014-2017). games and interactive art. (Java, JavaScript, Processing Library)
- **Personal Website**. One page online portfolio built largely with Bootstrap. (HTML/CSS)
- **The Python Challenge**. Online challenges to explore the python language. (Python)

### Events

- **Hackathons** (2017).
  - TrojanHacks - Auto generating spotify playlist based on your location. (PHP)
  - LAHacks - accuFact: Web platform for scoring article credibility. (JavaScript, News API)
- **HackClub** (Summer 2016). HTML/CSS and Javascript Workshop. Code on github, demos on website.

### Languages and Technologies

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- C, C++, Java, JavaScript, Node.js, Python, HTML, CSS
- Linux/Unix environment
- Arduino/Raspberry Pi
- Microsoft Office