

# Hannah Kang

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## SKILLS

**Languages:** HTML, CSS, Python, JavaScript  
**Dev Tools & Technologies:** Git CLI, Github, Visual Studio, webpack, Photoshop, Gimp, Google Suite, Ubuntu (Windows 10 Subsystem Linux)  
**General:** Korean (fluent), technical writing, public science communication

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## PROJECTS

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### Uniview Assets Library (2018)

*California Academy of Sciences*

- A searchable catalog of planetarium digital assets built with React, jQuery, and Python
- Expedited show production time by compiling asset information into a single webpage
- Resolved user frustrations with the existing practice of manually searching through hundreds of folders to produce new planetarium shows
- Made accessible for the Uniview 2.0 user community through Github Pages release

### Weather in a GIF-y (2018)

*Personal Project*

- A webpage where users can search for weather by city by querying the OpenWeatherMap API
- Displays whimsical animations relevant for the weather (via GIPHY API)
- Uses Jest JavaScript testing and was developed with ReactJS in Visual Studio

### Personal Library (2018)

*Personal Project*

- A webpage that displays a users book list developed in 2 versions: pure JavaScript and React
- Includes interactive JavaScript forms, buttons, and toggles

### Planck Mission Exhibit (2015)

*Santa Barbara Museum of Natural History*

- Touch screen exhibit for guests to explore videos, slideshows, and panoramas about the Planck space mission built with Apache, HTML, CSS, and Python
- Translated curator, visitor, and researcher feedback into accessibility updates and crash fixes
- Managed update implementation timeline with an iterative development and site testing process
- Successfully installed exhibit updates and wrote a technical manual for future developers

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## EXPERIENCE

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### Planetarium Presenter (I + II) (01/16 – Present)

*California Academy of Sciences*

- Designed HTML user interfaces for 5 science demonstrations and conducted guest surveys to improve visitor engagement
- Published promotional content, reaching 1300+ Morrison Planetarium Facebook followers and contributing to the museum's 5.7 million online content views
- Authored 7 technical guides to standardize and streamline presenter onboarding experience
- Coordinated with and mentored staff on providing shows and resolving operational issues
- Prepared enthusiastic, audience-g geared presentations for diverse audiences at 21+ Nightlife events, local school outreach, and private lectures

### Guest Experience Service Associate (11/15 – 11/16)

*California Academy of Sciences*

- Helped bolster the institutions industry-leading 84% employee courtesy score

### Laboratory Specialist (06/14 – 09/14)

*Lawrence Berkeley National Laboratory*

(06/13 – 09/14)

- Invited for 2 consecutive summers after demonstrated ability to accomplish research goals
- Executed pilot testing on reducing experiment setup time by 33% and making samples preservable
- Increased scale of sample production and streamline process; the successful results were published in *The Journal of Structural Biology*

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## INTERESTS

Telescope volunteering (Earned U.S. Presidential Volunteer Service Award), urban dancing, translating Korean media, building webpages and Python projects

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## EDUCATION

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### University of California Santa Barbara (09/11 – 09/15)

B.A in Physics, Minor in History of Art and Architecture