Katy (Beechui) Koo

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# Skills

* Languages / Frameworks: HTML, CSS, JavaScript, Python, Flask, Ruby on Rails, React, SQL, MongoDB
* Language: Fluent in English and Korean, Elementary Chinese and Japanese

# Education

## August 2017 - Current

### Boston College, Brighton, MA *- B.S. in Computer Science / Minor in Biology*

* Relevant courses: Computer Science I (Python), Computer Science II (Java), Randomness and Computation, Computer Organization, Computer Systems (C programming), Algorithms, Software Engineering (to be added)

# Experience

## May 2019 - May 2020

### Hur Lab, Harvard Medical School, Boston Children’s Hospital, Boston *- Undergraduate Research Assistant*

* Assisted research for broadly the cell response to viral infection, specifically RIG-I (retinoic acid-inducible gene I)/MAVS (mitochondrial antiviral-signaling protein) pathway.
* Utilized techniques such as molecular cloning, cell culture, cell transfection, SDS-page, western blot, cDNA preparation, fluorescence microscopy, organizing lab data, utilizing web applications such as

## July 2017 - August 2017

### International Science School of Heidelberg *- Participant of the Program*

* Learned various basic research techniques in Dr. Ralf Bartenschlager Lab in the department of infectious diseases at Heidelberg University such as molecular cloning, cell culture, cell transfection, SDS-page, western blot, cDNA preparation, fluorescence microscopy, Electron Microscopy

## August 2017 - Current

### Quiet Waters Prayer Group *- Co-president*

* Planned weekly group meetings by having meetings with the leaders, discussing and preparing ice-breaking questions, snacks, bible verses to discuss, reflection questions, prayers, and hymns to sing.