

Ye - Ji Kim

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Education

Georgia Institute of Technology
Bachelor of Computational Media

August 2016 - May 2020
GPA 3.50 / 4.00

Experience

Undergraduate Research Assistant

January 2018 – Present

- Research conducted by Georgia Tech Research Institute to evaluate the use of programming plans under multiple context to teach programming effectively
- Designing and implementing sample interactive Python coding questions for the Runestone Interactive Python eBook

Teaching Assistant

June 2017 – July 2017

- Scheduled, organized, and conducted lessons for 30 native Korean students over four courses in conversation and grammar for 5th, 6th, 7th, 8th Grade
- Applied the process of teaching and learning through active interactions with students

Technical Projects

BigSister

PearlHack, February 2018 - Present

- Android app that ensures the user's safety through a threat alarm feature and a check-in system written in Java built in Android Studio
- Designed and implemented the activities and their UI components of the app

Rooftop

November 2017

- Web application that takes in a city name and uses it to generate a rooftop photo of the city from the Flickr API, locate the city on the map using the Google Map API, and inform the weather based on the geographical information of the photo from the OpenWeatherMap API
- Structured the integration of the three API's using JavaScript, JQuery AJAX and designed the website using HTML, CSS

Sketch_rain

September 2017

- Drawing tool that generates various color gradients of user's choice responding to different sound input under a raining scene theme written in Java in Processing
- Implemented sound input and built user interactive visuals using GUI Event such as buttons to change color and mood and scroll bars that resize the umbrella mouse UI

UI/UX Game Design

April 2017 – May 2017

- UI/UX game design of JavaFX GUI events based on JavaFX Scene Graph API
- Built user interactive visuals and audio effects for a poker game play including buttons, cards, start screen, console, and game screen

College Student Torrent Issue Infographic

October 2016

- Designed an infographic using Pikochart and Photoshop over college students torrenting textbooks
- Visually represented and delivered the information using graphs and diagrams based on principles of visual design

Skills and Courses

Programming: Java, Python, HTML, CSS, JavaScript, C

Courses: Object-Oriented Programming, Data Structures and Algorithms, Objects and Design, Media Device Architecture, Discrete Mathematics, Principles of Visual Design

Technology: JUnit, Git, JavaFX, Android Studio, Agile Development, Adobe Photoshop, Adobe Illustrator

Language: English (Proficient), Korean (Native)

Leadership and Activities

W@CC (Women At College of Computing)

Member

Present

GIT MAD (Georgia Institute of Technology Mobile Android Development)

Member

Present

GT WebDev

Member

August 2017 – December 2017