HOWON KIM

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EDUCATION

University of California, Berkeley | B.A., Computer Science (2020)

EXPERIENCE

DATA ENGINEER | De Anza College, Summer 2019
- Making python scripts to clean the data of four years of students' database.
- Anonymize and visualize data using python library including Pandas, NumPy, and Seaborn.
- Self-running project to help scheduling workshops by analyzing the data using classification and regression technique.

UNITY 3D GAME DEVELOPER | Korea Innovative Center (Samsung Program), Winter 2017
- Built innovative new Virtual Reality game called Morning Start using C# and Unity engine (https://youtu.be/RhBANk3GCnE).
- Using Augmented Reality development tools including ARKit and Vuforia for developing the second version.
- Making the challenge algorithm that each script interactively response for boss movement algorithm.

WEB DEVELOPER | De Anza College, Fall 2014
- Self-running project to replace the Signup Genius system in language center.
- Develop web-app using Google forms, Script, and Spreadsheet to completely manage all the workshops and tutoring.
- By implementing an easily used system for every student, costs were dramatically reduced. This system is still currently used for several years and also presented at California-wide Tutor Conference.

SKILLS

Proficient | Python (+NumPy, Pandas, SciPy), Java, C# (Unity 3D), LaTeX
familiar | SQL, C++, Swift/iOS/ARKit, HTML, CSS, JavaScript, Git

AWARDS

- Excellence Mentor Award
  The Republic of Korea Army, for saving a team member's life from the suicide attempt. Award was ordered from the regiment and offered by head battalion.

- Grow with Google Scholarship
  Web Development, Udacity (January 2018)

- Unity Engine Certified Developer
  Unity Technologies (December 2017)

- Regent's Scholarship Candidate
  University of California, Irvine (March 2017)

LEADERSHIP

- Teaching: Take CS370, Tutor Training Course from UC Berkeley and tutoring Python, Data Structure. Having several years of tutoring experiments in programming. Also, presenter at California-wide tutor conference.

- Creative Leading: From scratching product development idea to making algorithm, I devote the project by giving the creative idea and divide the proper work to proper people.