**HOWON KIM**

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**EDUCATION**

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

**EXPERIENCE**

**DATA ENGINEER** | De Anza College, Summer 2019

* + Make 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.

**iOS DEVELOPER** | UC Berkeley, Fall 2018

* + Develop collaborated travel schedule iOS application called Trippy using Swift.
  + Using the different development tools including Firebase, MapKit, and Core Location.

**UNITY 3D GAME DEVELOPER** | Korea Innovative Center (Samsung Program), Winter 2017

* + Build 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, Firebase

**AWARDS LEADERSHIP**

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| * Excellence Mentor Award   The Republic of Korea Army, for saving a team member’s  life from the suicide attempt.   * 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) | * 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. |