

SUNWOO KANG

swkang73@stanford.edu | Stanford, CA 94305 | 650-250-6375

<https://github.com/swkang73> | <https://www.linkedin.com/in/sunwoo-kang-730/>

Software Engineer

Data Analyst

Researcher

CORE SKILLS

Programming: C++, Java, JavaScript, HTML/CSS, Python, Matlab,
Languages: Korean (native), English (fluent), Mandarin Chinese (Intermediate)
Specialized in Microsoft suites, poster design, presentation

EDUCATION

Stanford University

September 2016-June 2020

B.S. Candidate in Biomedical Computation. Expected June 2020.

Korea Presidential Science Scholarship for Four Years

Cumulative GPA: 3.6/4.0

- Relevant Coursework: Computational Biology in Four Dimensions (CS371), Computational Biology: Structure and Organization of Biomolecules and Cells (CS279), iOS Application Development (CS193P), Intro to Computer Organization and Systems (CS107), Intro to Probability for Computer Scientists (CS109)

CS CAREER EXPERIENCE

Participant at Google's Code for Summer

Updated python package DNAPlotlib

June 2018 – Present

- Rendered SBOL (Synthetic Biology Open Language) visual standard glyphs in matplotlib
- Import/export SBOL 2 compliant data file through python script

Founding Member of Startup Dotsaway inc.

March 2017 – October 2017

Frontend Programmer

- Built user chat system based on Django channel package and websockets
- Created print itinerary page for the outdoor trekking route using javascript, css, and html programming
- Developed web pages to enhance user experience, tested on Stanford Alpine Club Members

Created iOS App DoctorMi v.1

CS193P final project

June 2018

- Created app that visualizes daily health diagnosis data and enable users to share data through email

Incoming Intern at Streami

Software Engineer Intern

August 2018 - September 2018

LEADERSHIP

Sigma Psi Zeta, Asian-American Greek Sorority

September 2017 - Present

Web Designer

- Ran homepage for the biggest Asian interest sorority in campus that has 236 views/week

Google Games Bay Area

April 8, 2017

Team leader

- Team ranked top 20 out of 110+ student teams from Stanford University and UC Berkeley
- Used java program to produce arraylist of prime numbers, found quickest route using Dijkstra Algorithm

Microsoft Coding Competition

Team leader

October 12, 2017

- Used java program to solve complex computation problems

Stanford Bioengineering Club BIOME

September 2016 – May 2017

Community Director

- Organized the first Stanford Bioengineering Hackathon supported by Genspace, Opentrons, FBI, and other biotech companies