

# SUNWOO KANG

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Software Engineer

Data Analyst

Researcher

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## CORE SKILLS

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

## EDUCATION

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### 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

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### Created iOS App DoctorMi v.1

CS193P final project

June 2018

- Created app for displaying and sharing health diagnosis data from human breath files
- Health diagnosis automated through python ML algorithm

### Participant at Google's Code for Summer

Updated python package DNAPlotlib

June 2018 – Present

- Wrote visualization script that would draw out SBOL (Synthetic Biology Open Language) visual stand glyph
- 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

### Incoming Intern at Streami

Software Engineer Intern

August 2018 - September 2018

## LEADERSHIP

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### 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
- 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