**Harim Chun**

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https://harimchun.github.io

# Personal Data

* **Birth of date** 20th Oct 1996, in Republic of Korea
* **Nationality** Korea
* **Gender** Male
* **Military Service** Yes

# Education

**Korea University College of Medicine** **Seoul, Korea**

*Graduate Student* Mar. 2021 – Present

• Department of Biomedical Sciences

**University of Mississippi University, Mississippi, U.S.A**

*Exchange Student, Biology* Jan. 2019 – May 2019

**Soongsil University** **Seoul, Korea**

*Undergraduate Student* Mar. 2015 – Feb. 2021

• Bachelor of Science in School of systems Biomedical Science

# Research Experience

**Choi. Lab (Human Genetics and Genomics Lab) Seoul, Korea**

Korea University

*Undergraduated Research Intern (Advisor: Professor Jungmin Choi)* Jul. 2020 – Feb. 2021

<https://choi.korea.ac.kr/>

**Insilicogen, INC. Yongin, Korea**

*Internship* Jul. 2019 – Aug. 2019

* A personalized fruit and vegetable drink service referring to the personal genomic data

(prototype, via Neo4J)

**Post-genome informatics lab Seoul, Korea**

Soongsil University Aug. 2019 – Jul. 2020

*Research Intern (Advisor: Professor Sangsoo Kim)*

**Personal Project during the Undergraduate Course**

* Identifying expression quantitative trait loci for pro-inflammatory response triggered by TIFA with genome-wide association study (Practice of Biostatistics)
* Drug repositioning and virtual screening against the calcium-dependent protein kinase 1 (CDPK1) with SMINA (Computational Molecular Biology and Lab.)
* In silico analysis of gene expression and binding affinity to predict the susceptibility to covid-19 of pan-cancer patients (Undergraduate Thesis)

# GPA and English Score

* Undergraduate GPA: 4.11 / 4.5, Percentage equivalent: 94.0 / 100
* Graduate GPA: 4.19 / 4.5, Percentage equivalent: 96.5 / 100
* TOEIC: 875 (out of 990)

# Research Interest

* Next Generation Sequencing (NGS)
* Cancer genomics
* Single cell RNA-sequencing

# Relevant skills

**Software language** Python, R

**Computing Skills** Hadoop, Apache Spark (python based), Unix, Google Cloud Platform, AWS

**Rosalind** Rank : 84 / 315 (Korea), 29 XP

# Teaching

**CoRE (Collaboration Real Energy) Tutoring**, Soongsil UniversitySeoul, Korea

*Tutor* Sep. 2019 - Dec. 2019

* Taught Hadoop File System and PySpark to students who took **“Distributed Big data Computing”** class for the whole semester
* Taught python programming to students who are not accustomed to the python programming

# Awards and Honors

**Semester Honor Scholarship** Soongsil University, 2020

**CoRE Tutoring Best Tutor Award** Center for Innovative Teaching and Learning, Soongsil University, Korea, 2020

**Semester Honor Scholarship** Soongsil University, 2016

# Publications

* Runfeng Miao, **Harim Chun,** Xing Feng, Ana Cordeiro Gomes, Jungmin Choi^, João P. Pereira^. Competition between hematopoietic stem and progenitor cells controls hematopoietic stem cell compartment size. Nat Commun. 2022. *Under revision*
* Lee J\*, Hwang JH\*, **Chun H\*,** Woo W, Oh S, **Choi J^**, Kim LK^. PLEKHA8P1 Promotes Tumor Progression and Indicates Poor Prognosis of Liver Cancer. Int. J. Mol. Sci. 2021, 22, 7614

\* : co-first Author