Beomgyu Kim

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EDUCATION

Hanyang University   Seoul, Korea
B.S. in Computer Science, GPA: 3.84/4.50   2017–2022(expected)

- Thesis: "Generating moving web comic's facial expression with GAN(expected)"
- Relevant Coursework:
  * Deep Learning Methods and Applications
  * Data Science
  * Automata Theory of Computation
  * Algorithms and Problem Solving

KwangSung High School   Incheon, Korea
2014–2017

EXPERIENCE

Queen's University Belfast/ECIT   Belfast, United Kingdom
Research Student/CSIT   Fall/Winter 2019

- Machine learning based web application firewall
- Intentionally creating a vulnerable web and collecting malicious packets
- ML-based WAF production and demonstration using RandomForest, N-gram, etc.

SW Maestro   Seoul, Koera
Mentee   2020

- Artificial intelligence assist training "Maesil"(daily indoor exercise)
- Research and cooperation on 3d pose estimation, real-time 2d pose estimation, pose match, etc.

SKILLS

- **Programming:** C, C++, Python, Java, SQL, AWS, Docker, git
- **Documentation:** Markdown, LaTeX
- **Languages:** Korean(Native), English(Working Proficiency)

TEACHING VOLUNTEER

- **Scratch Instructor** at Sageun Elementary School   Fall/Winter 2019
  Taught scratch for two classes during the regular semester of the fifth grade
- **Computer Science Teacher** at Hanyang University Hospital   Mar 2017- Feb 2019
  Taught for a child cancer patient who could not go to school for long-term hospitalization.
  Chairman at 2018 Fall/Winter Semester
  Certification of Appreciation, Hanyang University Hospital

Scholarships and Awards

- **Hanyang Capture The Flag Advanced Division(HCTF)** Advanced Division 2nd Place   2020
- **Samsung Collegiate Programming Cup(SCPC)** Finalist   2020
- **Brandi codename B** 7-16th place   2020
- **UCPC 2020 Final** Finalist, 23rd Place   2020
- **UCPC 2019 Final** Finalist, 27th Place   2019
- **Certification of Appreciation, Hanyang University Hospital**   2018
- **Outstanding Mentors Scholarship**   2018
- **UCPC 2018 Final** Finalist, 27th Place   2018
- **Hanyang Collegiate Programming Contest(HCPC)** Beginner Division 1st Place   2017
- **Diamond 7 Scholarship**   2017–2018

Extracurricular Activities

- Member at Problem Solving Website *Baekjoon Online Judge*   2017–Current
  Solved 1800+ Problems, Tested 7 Problems for UNIST's programming competition

- Member at School Hacking Defense club *ICEWALL*   2017 –Current
  1st Place in 2018 internal CTF, 3rd Place in 2019 internal CTF
  Created 1 Problem for 2018 HCTF
  Penetration test on campus homepage

- Member at School AI club *HAI*   Mar 2017 –June 2019
  Basic AI studty with other members
  Reading and presenting trend AI papers

- Member at School Algorithm club *ALOHA*   Mar 2017 –Nov 2017
  3rd place in internal competition 2017
  10th place in Korea Univ., Sookmyung Women's Univ. Hanyang Univ. integrated club competition