

Ku, Bon Kwan

Prospective mentality, a self-motivator, and a creative and persevering deep problem solver

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EDUCATION

The Chinese University of Hong Kong (CUHK)

BSc in Physics

- **GPA:** 3.183 / 4.000

Hong Kong
(Expected) Dec 2023

UCSI University Pre-U Studies

Cambridge International A-Levels

Grades: A in Physics and Mathematics, German A1, IELTS 7.5/9.0

Activities: Junior Breakthrough Challenge 2016 Participant, Peer-to-Peer tutoring program

Kuala Lumpur, Malaysia
June 2016 – Nov 2017

WORK EXPERIENCE

Summer Undergraduate Research Internship Program

Computational Biomolecules (hydrogel)

- Simulated biophysical system with MARTINI force field and GROMACS to compare for compatibility of result under the supervision of Professor Wang Yi and awarded the best poster presentation prize amongst 18 other teams by the professors
- Utilized server-side simulation processing in LINUX-based OS and enhanced efficiency for the project by cooperating with a partner

CUHK, Hong Kong
May 2022 – July 2022

Republic of Korea Army (ROKA)

Mortar Squad Leader in the 28th Division

- Led, managed, and supervised a 12-person squad in 23 field trainings under unpredictable and varying environments
- Prepared and reviewed confidential situation reports and operational briefs for officers

Yeoncheon, Korea
June 2020 – Dec 2021

United States - Republic of Korea Combined Command Post Training

English Linguist in the Combined Ground Component Command

- Engaged in US-ROK training as a real-time English linguist for the department of Hospitality and Personnel under deployment and translated strategically in-depth documents for both parties in clear technical wordings

Yongin, Korea
June – August 2021

PROJECTS

Interactive CV (live: [cvbono.netlify.app](#), repo: [simple-cv](#))

- Created a glass-morphism themed interactive and responsive resume website using React and framer-motion
- Focused on clean and reusable component factored coding style for convenient updates to contents
- Optimized loading time by converting assets to appropriate file types like webp and base64

Sep 2022

Riot Games Client Login Screen Clone (live: [testers4bono.netlify.app](#), repo: [testers/riot-login-clone](#))

- Developed a functional registration and login authorization system connected to RDBMS(MySQL) database using React and Node.js
- Implemented custom responsive design and utilized React Hooks API
- Optimized performance by changing font loading method and continuously refactoring code for better efficiency

Sep 2022

Portfolio Website (live: [bonoku.shop](#), repo: [portfolio-1](#))

- Developed a simplistic interactive website with vanilla Javascript
- Deployed in custom domain and improved crawlability by using semantic elements for enhanced SEO

Aug 2022

EXTRA-CURRICULAR ACTIVITIES

PLANCKS 2022 Hong Kong Round 2nd Runner Up (International Physics Competition)

Participant

- Solved 5/6 masters-level challenging physics questions in the Hong Kong preliminary rounds – in collaboration with 2 members from Hong Kong University of Science and Technology (HKUST)
- Acquired critical thinking power beyond textbooks by enforcing research paper comprehension, and experienced professional discussions with academically excellent peers

Hong Kong
Mar 2022

ADDITIONAL INFORMATION

Languages: Native in English and Korean, Elementary proficiency in German

Technical Skills: Python, LabVIEW, LaTeX, HTML, CSS, JavaScript (React, Node.js)

Hobbies: Guitar (Acoustic, Electric), Digital Art, Gaming, Cooking, Futsal