

Ku, Bon Kwan

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

Portfolio: <https://cvbono.netlify.app/>

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EDUCATION

The Chinese University of Hong Kong (CUHK)

BSc in Physics

- **GPA:** 3.156 / 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

Kuala Lumpur, Malaysia
June 2016 – Nov 2017

PROJECTS

Talent Quest 2K23 (live: hkstp.careerhackers.io)

Jan 2023 - Feb 2023

- Developed the frontend for a Three.js web puzzle game with Vue, TypeScript and AWS - 20,000+ visits and 1000+ sign-ups
- Led the designing process of the landing page and the game UI/UX using Figma
- Collaborated and maintained with five developers via GitOps workflow
- Focused greatly on structuring the client and server-side communications to prevent gameplay exploits

Battleship Online (repo: [battleship](https://github.com/bonkwan/battleship))

Nov 2022 - Present

- Developed an online version of battleship board game using modern frameworks - Next.js and TypeScript
- Collaborated with a more experienced full-stack developer to gain constant insights and feedback for code improvements with GitHub features

Riot Games Client Login Screen Clone (live: testers4bono.netlify.app, repo: [riotlogin-clone-client](https://github.com/bonkwan/riotlogin-clone-client))

Sep 2022

- Developed a registration and login JWT authorization system connected to MySQL database using React and Node.js
- Implemented responsive design and readily utilized React Hooks API
- Optimized performance by using preloading methods and continuously refactored code for better efficiency

WORK EXPERIENCE

Speakmanity Limited (Career Hackers)

Frontend Developer Intern

Science Park, Hong Kong

Jan 2023 – Present

- Designed the UI/UX for two significant projects using Figma with attention to mobile device responsiveness
- Developed fluid and interactive websites using various modern tech stacks - Vue, React, TypeScript, TailwindCSS

Summer Undergraduate Research Internship Program

Computational Biomolecules (hydrogel)

CUHK, Hong Kong

May 2022 – Jul 2022

- Simulated biophysical system with MARTINI force field and GROMACS to compare for compatibility of result under the supervision of Professor Wang Yi
- Awarded the best poster presentation prize amongst 18 other teams by the professors
- Utilized server-side simulation processing in LINUX and cooperated with a partner for efficient CPU processing

EXTRA-CURRICULAR ACTIVITIES

Cathay Hackathon 2022 Shortlist

UI/UX design & Frontend Developer

Hong Kong

Nov 2022

- Designed and developed an AI integrated inflight service solution app using Figma, Flutter and Firebase for prototype showcasing
- Qualified for the final rounds as top 20 teams amongst 100+ participating teams with a pitching video of our solution

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

Participant

Hong Kong

Mar 2022

- 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

ADDITIONAL INFORMATION

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

Technical Skills: HTML, CSS, JavaScript, React, Vue, TypeScript, Next.js, Node.js, Figma, AWS

Interests: Guitar, Digital Art, Gaming, Cooking, Futsal