Ku, Bon Kwan

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

Portfolio: https://cvbono.vercel.app/

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EDUCATION

The Chinese University of Hong Kong (CUHK)   **Hong Kong**
BSc in Physics   (Expected) May 2024
- **GPA:** 3.156 / 4.000

UCSI University Pre-U Studies   **Kuala Lumpur, Malaysia**
Cambridge International A-Levels   June 2016 – Nov 2017
Grades: A in Physics and Mathematics, German A1, IELTS 7.5/9.0

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

Interactive CV (live: cvbono.vercel.app , repo: simple-cv)   Sep 2022 (Updated Apr 2023)
- Developed a glass-morphism themed interactive & responsive web using React, Next.js and framer-motion
- Implemented Notion API as CMS for easier content update through Notion database
- Focused on clean and reusable component based coding style

Riot Games Client Login Screen Clone (live: testers4bono.netlify.app , repo: (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)   **Science Park, Hong Kong**
Frontend Developer Intern   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   **CUHK, Hong Kong**
Computational Biomolecules (hydrogel)   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   **Hong Kong**
UI/UX design & Frontend Developer   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)   **Hong Kong**
Participant   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