SEBIN HWANG

MASTER'S STUDENT IN COMPUTER SCIENCE

(+82) 010-4318-4539 | (+60) 010-247-4539 | ssebinhwang@gmail.com | sebinhwang.vercel.app

---

PERSONAL STATEMENT

Motivated Computer Science graduate with a strong foundation in Software Engineering and a deep interest in Human-Computer Interaction (HCI). I am passionate about designing and developing user-centered technologies that enhance how people interact with digital systems. As I begin my Master's in Computer Science at Yonsei University, I am eager to contribute to research that advances intuitive, inclusive, and impactful human-AI experiences.

EDUCATION

Yonsei University   **Sep 2025 - Current**
Master of Computer Science
- **Research Interests:** Human-AI Interaction, Data Visualization, Human-Centered Design

University of Malaya   **Oct 2021 - Feb 2025**
Bachelor of Computer Science (Software Engineering)
- **CGPA:** 3.92/4.00
- **Honors:** Dean's List (Semesters 1–7)
- **Relevant Coursework:** Human-Computer Interaction, Machine Learning, Database, Algorithm Design and Analysis, Internet of Things, Python for Scientific Computing, Software Architecture and Design Paradigms, Real-Time Systems

University of Hong Kong   **Sep 2019 - May 2020**
Bachelor of Biomedical Engineering
- Completed First Year

EXPERIENCE

Dell Technologies, Malaysia   **Aug 2023 - Jan 2024**
Software Engineer Intern
- **Developed** front-end components using **Angular**, enhancing user interface responsiveness and accessibility.
- **Integrated** back-end services with **ASP.NET**, **RabbitMQ**, and **Redis**, facilitating seamless data flow between client and server.
- **Collaborated** with a cross-functional team, including product managers and DevOps to deliver features that met user needs.

Cambridge IGCSE 1:1 & Group Classes   **Feb 2019 - Jul 2023**
Tuition Teacher
- **Achieved** a 100% pass rate among 30+ students tutored, with 90% obtaining A grades.
- **Customized** learning materials and mock exams aligned with the IGCSE curriculum, enhancing student performance.
- **Mentored** students in effective study techniques, leading to improved academic confidence and independence.
- **Recognized** for teaching excellence through positive testimonials from students and parents

PROJECTS

A Web Application for Monitoring Postgraduate Students' Progress **Mar 2024 - Jan 2025**
Using a Novel Workflow-Based User Interface Design
- Developed a web application to streamline the tracking of postgraduate student progress with a focus on usability and user experience..
- Designed an innovative workflow-based UI that allows customizable study plan flowcharts.
- Improved communication between students, lecturers, and administrators by implementing features for progress updates, intake analytics, and program structure management.

Analyzing Movie Reviews to Predict Sentiment Using Python **Mar 2024 - May 2024**
- Processed, cleaned, and manipulated large datasets of movie reviews from Rotten Tomatoes to visualize word frequencies and sentiment distributions.
- Trained classification models to predict review sentiment using Random Forest Classifier.
- Explored the impact of various factors such as genre on sentiment.

A Restaurant Ordering Website with Customer and Admin Interfaces **Oct 2022 - Dec 2022**
- Collaborated on Pikahae, an online platform that revolutionizes the dining experience by providing seamless ordering and reservation capabilities.
- Designed separate interfaces for customers and administrators, ensuring an intuitive and efficient user experience on both ends.
- Enhanced operational efficiency through features like menu management, order monitoring, and customer account management.

Android Mobile Application Connecting Communities to Local Farms **Mar 2022 - May 2022**
- Developed an app that bridges consumers with local farmers.
- Implemented features like product browsing, ordering, event viewing, and integrated map.
- Focused on promoting local agriculture and community engagement through technology.

LEADERSHIP

Computer Science Society UM (PEKOM) **Mar 2023 - Jun 2024**
Deputy Head of Sponsorship & Public Relations Department
- Managed partnerships through consistent communications with over 20 stakeholders.
- Organized and executed collaborative events, ensuring seamless logistics and enhancing attendee satisfaction among participants.
- Enhanced PEKOM's brand image via strategic public relations efforts, contributing to a rise in club membership.

Google Developer Student Clubs (GDSC), UM **Oct 2022 - Jul 2023**
Community Core Team Member
- Boosted member engagement through orchestrating interactive sessions, hands-on workshops, and networking events.
- Served as emcee for the Google Office Tour, showcasing strong public speaking and presentation skills.

University of Malaya Students' Union (UMSU), FCSIT **Oct 2022 - May 2023**
Secretary
- Documented meeting minutes and proposals with precision, ensuring clear communication and aiding in effective decision-making.
- Tracked progress across departments, facilitating efficient coordination and providing comprehensive organizational overviews.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, Java, Python, PHP, Dart (Flutter)
- **Web Frameworks:** React, Next.js, Angular, Node.js, Laravel, ASP.NET
- **Databases:** MySQL and PostgreSQL
- **Tools and Platforms:** RabbitMQ, Redis, Git, Docker, Figma
- **Technologies:** TailwindCSS, RESTful APIs, Microservices Architecture

AWARDS

- **Dean's List,** University of Malaya (Sem 1, 2021/2022)
- **Dean's List,** University of Malaya (Sem 2, 2021/2022)
- **Dean's List,** University of Malaya (Sem 1, 2022/2023)
- **Dean's List,** University of Malaya (Sem 2, 2022/2023)
- **Dean's List,** University of Malaya (Sem 2, 2023/2024)
- **Dean's List,** University of Malaya (Sem 1, 2024/2025)
- **Second Runner-Up,** Dell Digital Hack2Hire Hackathon (2023)

CERTIFICATIONS

- Certified Professional for **Requirements Engineering** Foundation Level (CPRE-FL)
- Cisco Certified **Network** Associate (CCNA)
- **Python** Programming Specialization, University of Michigan (Coursera)

LANGUAGES

- **English (Native)**
  - TOEFL iBT: 114/120 (2025)
- **Korean (Native)**