

# Ji Hyun Kim

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## EDUCATION

Aug 2023 — Present	<b>University of Pennsylvania, Master of Computer and Info Tech</b> Philadelphia, PA <ul style="list-style-type: none"><li>GPA of 4.0/4.0, Expected graduation of May 2025</li><li>Received the UX Award at the MCIT Hackathon 2024.</li></ul>
Mar 2016 — Aug 2020	<b>Korea University, Bachelor of Business Admin. &amp; Public Admin.</b> Seoul, Korea <ul style="list-style-type: none"><li>GPA of 3.74/4.0</li><li>Awarded multiple scholarships for academic excellence, including: Academic Achievements Scholarship (Sep 2018), The Veritas Scholarship (Dec 2018), and Global Leadership Scholarship (Sep 2016)</li></ul>

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## WORK EXPERIENCES

May 2024 — Jul 2024	<b>AIBIZ Global, Software Engineering Intern</b> San Jose, CA <p>Focused on automation and fault detection/classification in semiconductor manufacturing. Developed a Python program to automate transistor layout modifications with CAD tools, reducing design time from 1-2 months to a few minutes. Assisted in FDC by analyzing and visualizing sensor data to identify fault causes. Gained experience and enhanced skills in software development for industrial applications.</p>
Feb 2021 — Jul 2023	<b>Samsung SDS, Software Engineer</b> Seoul, Korea <p>Specialized in full-stack web development with expertise in the Spring framework, Java, and JavaScript. Contributed to a Global HR system serving over 100k users on a SaaS platform, managing customer data with RDBMS like Oracle and MySQL, and implementing DevOps tools such as Jenkins. Key achievements include:</p> <ul style="list-style-type: none"><li><b>Key Project Contribution:</b> Played a pivotal role in a significant project for Samsung Electronics, creating a Task &amp; Performance module that greatly improved performance evaluation processes. Contributed to the development of an employee-assisting chatbot project by designing and implementing REST APIs.</li><li><b>Cloud Operation Training:</b> Recognized as an outstanding graduate and assigned to the Robotics Process Automation team, where I utilized AWS cloud and Docker for efficient backend service management.</li><li><b>Code Review Agent Representative:</b> Appointed as the Code Review Agent representative, ensuring code quality and fostering collaboration within the team.</li></ul>
Jun 2017 — Dec 2018	<b>Hypermedia Lab - Korea University, Undergrad Research Assistant</b> Seoul, Korea <ul style="list-style-type: none"><li>Conducted research on hypertext, linked data, and the semantic web.</li><li>Sponsored by the National Program of Excellence in Software.</li><li>Contributed to over 10 research publications through collaboration with fellow researchers.</li></ul>
Jul 2017 — Aug 2017	<b>World Wide Fund For Nature(WWF), Marketing Intern</b> Seoul, Korea <ul style="list-style-type: none"><li>Analyzed user traffic patterns on the website to optimize donation routes.</li><li>Implemented a web and mobile application campaign using business analytics.</li></ul>

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## PUBLICATIONS

2018	<b>Research on Coding Education using Viscuit</b> 3rd author   The journal of Korean Association of Computer Education 2018
2018	<b>Design of a linked data application for lay users</b> 4th author   The conference of The Institute of Internet, Broadcasting and Communication 2018
2021	<b>A Quantitative Model to Evaluate Serendipity in Hypertext</b> 3rd author   Electronics 2021
2023	<b>Teaching an elective course about quantum computing</b> 1st author   The International Conference on Informatics in Schools 2023
2023	<b>Introduction to quantum computing for middle school students</b> 2nd author   The International Conference on Informatics in Schools 2023