

# HYESUN AN

Full-stack Software Engineer · Hackathon Winner · 4<sup>th</sup> year Computer Science student



THE UNIVERSITY  
OF BRITISH COLUMBIA

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## TECHNICAL SKILLS

**Skills:** Java, JavaScript, Python, C/C++, TypeScript, PHP, HTML, CSS, Unix/Linux **Test:** Selenium, Junit, Jest

**Tools/Frameworks:** Node.js, React, Redux, Express.js, MongoDB, Android, Git **CI/CD :** Jenkins, Heroku, GCP, uDeploy

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## WORK EXPERIENCE

**Software Engineer Intern**, Citi

May 2021 – Present

- Developing an integrated internal email system with ms365 API and Java to improve security and efficiency.

**Software Engineer Intern** at *Performance & Reliability team*, SAP Canada

May – Dec 2020

- Engineered an automated data storage backup routine with GCP APIs that improves storage capacity by 50%.
- Maintained performance monitoring chains and resolved functional bugs with Chrome Dev tool, XML, and Selenium.
- Re-designed inefficient Jenkins pipelines with Groovy script which increased availability of the automation chain.
- Analyzed the cause of regression and changes of network requests with mitmproxy proxy, Python, and Git Bisect.

**Assistant Project Manager**, Smilegate Holdings

May 2010 – May 2015

- Analyzed KPI statistics; finance, HR, and sales factors and redesigned process to reduce the budget by 20%.
  - Led company websites UI/UX revision project as a project manager to follow web accessibility guidelines.
  - Designed a flowchart of ERP systems and created a dashboard for executives based on user research results.
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## PROJECTS

**SnackTrack Web App**, Galvanize - Client company | Website: [bit.ly/3u3A7a](http://bit.ly/3u3A7a)

Jan – Apr 2021

- Developed a snack purchasing web app that supports user transactions and inventory management.
- Engineered employees, administrations and separate iPad modules' frontend with React, managing states in Redux.

**InterlineReader Web App**, UBC Asian Studies | Website: [bit.ly/3dU7Jx8](http://bit.ly/3dU7Jx8)

Jan – Apr 2021

- Developed an interlingual reading platform for UBC Korean courses with MERN full stack development.

**ThinkSmall Web App** Website: [bit.ly/3jsSlbn](http://bit.ly/3jsSlbn) | GitHub: [bit.ly/3022oww](http://bit.ly/3022oww)

May – Aug 2020

- Developed a volunteer matching app for small businesses as a team of 4 with MERN full stack development.
  - Designed database schema and developed APIs that stored/fetched user/business data on MongoDB.
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## HACKATHON WINNING PROJECTS

- Utilized React, ReactNative, Node.js, Firebase, Salesforce Einstein OCR, Google Vision API, AWS Lambda

<b>Champ Mobile App</b>	1st place	Hack4Health	<a href="http://bit.ly/3ulq4aQ">bit.ly/3ulq4aQ</a>	May 2021
<b>Goodredients Mobile App</b>	Popular Vote	nwHacks2021	<a href="http://bit.ly/3ulryDI">bit.ly/3ulryDI</a>	Jan 2021
<b>GreenerShopper Chrome App</b>	3rd place	SAP iXP Hack4Good	<a href="http://bit.ly/3mwP23I">bit.ly/3mwP23I</a>	Oct 2020
<b>FinanceHero Web App</b>	MLH Blockstack Award	cmd-f 2020	<a href="http://bit.ly/38HHw2c">bit.ly/38HHw2c</a>	Mar 2020
<b>SalesView Web App</b>	SAP Analytics Champion	nwHacks 2020	<a href="http://bit.ly/3nfZCwq">bit.ly/3nfZCwq</a>	Jan 2020

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## LEADERSHIP & SCHOLARSHIP

**Community Organizer**, Korean Developer & Designer Vancouver Meetup

Aug 2020 – Present

**External Director**, Women in Computer Science group at UBC

May 2020 – May 2021

- Received Visier Service Award for Women in Computer Science 2021, Grace Hopper Conference Scholarship 2020

**Undergraduate Teaching Assistant** of CS Course, University of British Columbia

Jan 2019 – Apr 2020

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## EDUCATION

**Bachelor of Computer Science**, University of British Columbia, Year 4

Expected May 2022

**BBA & BA** (Business and Korean Literature; dual degree), Sungshin Women's University

Feb 2010