

# Kahye Ahn

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## Education

**University of California, Irvine**-Irvine, California, USA, 09/2022-06/2024 (expected)

- M.S. Software Engineering

**Sogang University**-Seoul, South Korea, 02/2014-08/2019

- B.A. Economics and Convergence Software (with Honors Magna Cum Laude: CGPA 3.83/4.5)

## Relevant Coursework

- Software Engineering, Software Architectures, Convergence Software Capstone Design, Introduction to Operating System, Introduction to Algorithm, Introduction to Data Structures, Artificial Intelligence, Linear Algebra, C Language Programming, Introduction to Java Language

## Languages and Tools

- Javascript, Java, Python, HTML, CSS, JSP, Vue.js, React.js, jQuery, Django, Spring Boot, Git, AWS

## Work Experience

**Software Engineer**, Shinhancard, Full-stack developer, Seoul, South Korea, 10/2020-08/2022

- Refactored front-end source code to reduce the loading time of the first page and back-end source code to reduce security vulnerabilities in "Allthat" project, which was a newly launched e-commerce website (Vue.js, Java, Spring Boot, AWS)
- Designed admin pages, implemented custom JS library for SNS share functionality, set up test environment for app push in "Shinhan Campus" project where parents can pay tuition and fees and directors of academic institutions manage fees (Javascript, Java, JSP, jQuery)
- Set up protocols and test environment to support the usage of sustainable API provided by Korean government in "COVID-19 relief funds" project (Javascript, Java, JSP, jQuery)

**Software Engineer**, CJ Oliveyoung, Full-stack developer, Seoul, South Korea, 06/2019-09/2020

- Designed feature lists and implemented most of front-end components such as e-learning page and community page including like button, comments box, and review stars in "Communication and Education Platform" project (React.js, Java, Spring Boot)
- Analyzed big data to provide behaviors of customers to marketing department with what advertising pages customers were attracted to click, what pages customers made a purchase, and what pages made customers stay longer in app by Kibana

**Programming Intern**, Taycor Financial, El Segundo, California, USA, 11/2017-05/2018

- Developed a working capital calculator which has addable/removable cells which help employees and customers compare the interest rates and future total interests easily (Javascript, HTML, CSS)
- Implemented and troubleshoot a corporate dashboard which shows how many calls and contracts are made compared to yesterday and the same day last year (Javascript, HTML, CSS)

**Teacher Assistant**, Sogang University, Seoul, South Korea, 01/2017-02/2017

- Helped students who had difficulties with Python and class materials in office hours, graded their code, and assisted professor with elaborating class materials

## Projects

**Convergence Software Comprehensive Design Class**, Architect, 03/2019-06/2019

- Implemented a website where users get recommendations for recipes based on the ingredients in their refrigerators

**Undergraduate Research Opportunities Program**, University of California, Irvine, 06/2018-08/2018

- Established initial feature lists and classifications on code conflicts and implemented rule-based Natural Language Processing for daily greeting feature for the chatbot which helps developers to avoid merge conflicts in the parallel working environment

**Software Universities' Open-source Hackathon**, Team leader, 02/2017

- Designed an Android application by which customers can customize and order cream cake

**The second contest of Hackathon in Sogang University**, Team member, 02/2017

- Developed an Android application by which users can share each other's locations, given "Achievement Certificate of Award"

## Publications

- "A Chatbot for Conflict Detection and Resolution", Proceedings of the 1st International Workshop on Bots in Software Engineering

## Extra-Curricular Activities

- Winter Advanced Coding Workshop, 02/2017-03/2017
- Summer Coding Workshop, 07/2016-08/2016