# Shane Yokota

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## EDUCATION

**University of Southern California**                                                                AUG 2022—MAY 2026
Bachelor of Science, Computer Science                                                 GPA: 3.8  *Los Angeles, CA*

## SKILLS

**Skills:** C++, JavaScript, Python, PHP, HTML, CSS, MySQL, GDB, Valgrind, Git
**Languages:** English, Japanese, Korean

## SOFTWARE ENGINEERING APPLICATION

**E-Commerce Service** — Terminal Application — *Online Shopping Service*                    JAN 2023—FEB 2023
- Designed an online retail system in C++ that enables users to add items to their cart, view and purchase items in cart, and save product and user information.
- Optimized the time efficiency of the functions in the service by implementing efficient data structure and algorithm to ensure that the program can handle a large number of data with no problem

**Stream Service** — Terminal Application — *Streaming Service*                              NOV 2022—DEC 2022
- Developed a C++ program functioning like a streaming service with basic features such as login, logout, search for content, watch content, rate content, and view history.
- Implemented an advanced features that does content suggestion by analyzing a bipartite graph created with all users and content data

**Optical Character Recognition** — Computer Vision — *Image Recognition System*            OCT 2022—NOV 2022
- Developed an Optical Character Recognition program in C++ that is able to detect and recognize the numbers in images
- Implemented a multi-stage approach, including preprocessing techniques, feature extradition, and classification, to accurately recognize digits in diverse fonts and sizes

**Chromakey** — Web application — *Background Removal and Image Concatenation*               SEP 2022—OCT 2022
- Programmed a Chromakey technique that accurately combines green screened images' foreground with a provided background image using C++ and JavaScript
- Improved the accuracy of the system by testing the program on a diverse range of green screened images and achieving expected results

**Social Media Replica** — Web Application — *Fictitious Social Media*                       JUN 2022—AUG 2022
- Designed and built a functional Social Media replica web application using HTML, CSS, and JavaScript
- Implemented a range of features including login, sign-in, home, post, edit, and view profile
- Utilized PHP and MySQL for transfering new information to the database and securing personal data using encryption

## EXPERIENCE

**Blue Panther Media**                                                                      JAN 2023—PRESENT
*Software Engineer Intern*                                                                             *Remote*
- Leading the design and development of a web platform to increase global reach
- Working on development of a Roku platform to generate revenue by distributing company's exclusive content

**Teach for LA**                                                                            AUG 2022—PRESENT
*Math Tutor*                                                                             *Los Angeles, CA*
- Worked with students in Los Angeles to help them understand key concepts in their educational pursuits
- Assisted students with homework, projects, test preparations, papers, and other academic tasks

**Jin-Hak-Sa**                                                    JUN 2022—AUG 2022 and DEC 2022—JAN 2023
*Cashier / Custodian*                                                                   *Jinju, South Korea*
- Maintained cleanliness and order at a local shop through tasks including sweeping, emptying trash, and organizing
- Accurately handled financial transactions at a local shop, handling cash and credit card payments
- Ensured all items were not out of stock, and ordered out of stock items as needed

**St Croix Lutheran Academy/Marshall School Math League**                                   SEP 2018—APR 2022
*Team Captain / General Member*                                                                     *Duluth, MN*
- Served as a Math League Captain and led the team to win Math League Minnesota Class A State Champion
- Developed strong problem solving skills through practice and competition up to State level
- Coordinated practices and prepared materials for team members accounting for member's schedules and circumstances

## ACCOMPLISHMENT/AWARDS

4th Place for Global Economy division at HackSC'23 - App to help street vendors scale their business      FEB 2023
Math League Minnesota Class A State Champion                                                 APR 2022
Math League Captain                                                                  SEP 2021—APR 2022
Minnesota State High School Golf Academic All State Golf Award                               JUN 2022

## INVOLVEMENT

USC Corpus Callosum                                                                          JAN 2023—PRESENT
- Team lead of a project implementing AI to filter any emotion on Social Media (Socio-Media)