

# SIMON YONG

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## TECHNICAL SKILLS

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**Coding Languages and Libraries:** Java, Javascript, Typescript, React, C++, Python, SQL

**Frameworks and Tools:** Github, Spring Boot, Maven, MySqlWorkbench, Docker, Visual Studio Code, IntelliJ

## EDUCATION

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**University of California, Los Angeles (UCLA)**

*September 2018 - June 2022*

*B.S. in Computer Science and Engineering*

- Cumulative GPA: 3.39
- Courses: Introduction to C++, Computer Organization, Algorithms, Computer Languages, Operating Systems

**HTD Talent: Full Stack Software Development**

*May 2025 - August 2025*

- Full Stack development training program
- Module topics: OOP, Software Architecture and Design, SQL, Maven and Spring Boot, JDBC Template, Javascript, React

## PERSONAL PROJECTS

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**Personal Profile:** (Javascript, React) <https://simon-developer-profile.vercel.app/>

**Fitstack - Workout Tracker App:** (SQL, Java, Spring Boot, Javascript, React)

- Collaborated with two other engineers to create an application that helps users reach their physical fitness goals
- Engaged in discussion about data system design, backend tools to use, and frontend structure for a smooth development process in a limited timeframe
- Used Javascript and React to design UI and manage frontend application state for an intuitive user experience
- Integrated the frontend side of token-based authentication for logins to enhance user security
- Made full use of the React library, including hooks for HTTP requests, and research into other packages for frontend use

**Web-based PDF Translator:** (Javascript, React)

- Translate texts in PDF form from Mandarin into English and view versions side by side
- Wrote a python script to load original PDF text into a MySQL database
- Made use of Javascript and React for frontend rendering of original and translated pages
- Implemented MySQL and NodeJS to store and load translated phrases

## WORK AND ADDITIONAL EXPERIENCE

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**Software Developer at Epic**

*September 2022 - April 2024*

- Used Typescript and C# to write validation functions that sync date information between two different functional areas, validating the status of a coverage on any given date
- Loaded filtered coverage billing data from databases to the client application to use in real time
- Fixed issues across Epic's patient registration application including crashes and functional tweaks
- Collaborated in peer code reviews in order to work out software bugs, design questions, and application direction
- Refactored SQL queries that extract EHI for performance improvements

**Summer Internship at OHZONE**

*June 2021 - September 2021*

- Wrote a new program using OpenCV that finds rotation and translation matrices between images using shared points/markers
- Created a sorting function which determines the optimal order of images to run a rigid transformation function
- Converted scripts from python to c++ for added compatibility with other code
- Researched 1 competitor company regarding different methods used to construct models

**Online Instructor at ID Tech**

*October 2020 - September 2021*

- Customized lessons for students in order to expose them to computer programming
- Taught students on basic and intermediate subjects, including using a debugger, conditionals, loops, and data structures