

# Wonyoung Kim

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Personal Website : <https://wonyoung-kim.github.io/>

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**Objective**      **Software Engineer or Software Developer (front or backend)**

**Education**      **San Jose State University**      **San Jose, CA**  
**Candidate for B.S in Computer Science**      **Class May 2021**

- **Relevant CourseWork:** Data Structures and Algorithms, Object Oriented Programming, Server-Side Web Programming, Computer Architecture, Linear Algebra, Statistics, Multivariable Calculus, Computer System, Programming Paradigms, Discrete Mathematics.

**Major GPA : 3.7/4.0**

**Skills**

- Programming Language : Java, Python, JavaScript/HTML/CSS, PHP, C/C++, Ruby, Latex.
- Technical Skills : Linux, Node.js, MongoDB, MySQL, Apache, Agile, React.
- Languages : Fluent in Korean and English.

**Projects**      **Personal Website | Full Stack**      **San Jose, CA**

- Creating personal website using HTML/CSS/Bootstrap/JQuery      2020 Mar - Present

**Secret Society | Full Stack**      **San Jose, CA**

- Designed and implemented secure full-stack web application that      2020 Jan
- Allows users to anonymously tweet using JavaScript, HTML, CSS, Node.js, Mongo DB.
- Managed database efficiently and wrote client interface using object oriented principles and ensured validations.

**Pathfinding Visualizer | Java**      **San Jose, CA**

- Built a shortest pathfinding visualizer and randomized      2019 Fall
- maze generation.
- Implemented 5 different algorithms based on A\*Search and Dijkstra's algorithms.

**DNA Sequencer | Java**      **San Jose, CA**

- Displayed mutation's distances in different gene sequences.      2019 Summer
- Stored sequenced gene data in FastA format, and wrote classes to manage and serialize genome-level data.
- Created a string difference algorithm to efficiently detect mutations between reference and possibly mutated genes.
- Used Object-Oriented principles to modularize code and allow for ease of maintenance.

**Experience**      **Korean Tutor**      **Los Angeles, CA**

- Scheduled weekly one-on-one tutoring sessions.      2018 Winter
- Created customized teaching syllabus according to each student's need and level.

**Activities & Awards**  
Activities : SJSU CS Club, SJSU Wrestling Club, Marathon, Swimming, Boxing.