

Wonyoung Kim

San Jose, CA • Contact : 909-747-8828 | wonyoung.kim@sjsu.edu

Linkedin : www.linkedin.com/in/Wonyoung-Kim | Github : <https://github.com/Wonyoung-Kim>

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

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.

Skills

- Skills : Java, Python, Ruby, JavaScript/HTML/CSS/PHP, Linux, Node.js, MongoDB
- 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

Private Twitter | Full Stack **San Jose, CA**
● Designed and implemented secure web application that allows users to anonymously tweet using JavaScript, HTML, CSS, Node.js, Mongo DB. 2019 Winter
● 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 maze generation.. 2019 Fall
● 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, Marathon, Swimming, Boxing, SJSU Wrestling Club.