

NIKITA SIAHAAN

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EDUCATION

University of California, Los Angeles

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B.S. Computer Science

Programming Languages: Python, C, C++, JavaScript, SQL, HTML, CSS

Technologies: Git, Linux, Bash, Flask, Sklearn, PostgreSQL, Docker, Figma, Svelte

Relevant Coursework: Object-Oriented Programming in C++, Algorithms & Complexity, Operating Systems, Computer Graphics, Network Fundamentals, Artificial Intelligence, Computer Security, Database Systems, Cryptography, Data Mining, Data Science

EXPERIENCE

Juni Learning

May 2021 – Present

Computer Science Instructor – Python, C++

- Instructed K-12 students in weekly 1:1 sessions, adapted to various learning styles, and ensured every student had a thorough understanding of each learning target.
- Guided students to develop their programming skills, build resilience, and strengthen critical thinking skills.
- Fostered a safe, positive learning environment and built meaningful mentor-student relationships.

PROJECTS

Aligned – *Svelte, HTML/CSS, JavaScript, Python, Flask*

- Collaborated with a team of 6 developers to build an astrology-based dating website using the Svelte web framework.
- Spearheaded the design process through planning style guides, designing wireframes and user flows, and creating original artwork.
- Developed custom, reusable Svelte front-end page components and functions.

Kalah – *C++*

- Implemented an interactive game Mancala using object-oriented design, inheritance, and polymorphism to create human and computer player classes.
- Designed multiple member class functions in accordance to project specs.
- Utilized the Minimax algorithm to emulate a smart player that evaluates possible outcomes and moves intelligently.

Data Science Modeling and Analysis – *Python*

- Developed a business forecast for a given dataset by using various predictive models.
- Implemented, optimized, and cross-validated predictive models and their training results.