

# Jiachen Niu

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## OBJECTIVE

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To obtain an internship position that provides insights on modern technology trend and an opportunity to work on projects that solve real-world problems.

## EDUCATION

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**University of California – San Diego**

Sep. 2017 – Jun. 2021

*Bachelor of Science, Computer Science*

**Warren College Honors Society, Provost's Honors, GPA - 3.939**

## RELATED COURSES

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|------------------------------------|--------------------------------|
| • Object-Oriented Programming      | • Computer System and Assembly |
| • Linux System and Shell Scripting | • Database System Principle    |
| • Algorithms and Data Structures   | • Agile Software Development   |

## TECHNICAL SKILLS

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**High Level Languages:** C, C++, Java, Python

**Shell Scripting:** Bash Shell Scripts

**Assembly Languages:** ARM, x86-64

**Database:** MongoDB, MySQL

**Web Languages:** HTML, JavaScript, CSS

**Version Control:** Git

## VOLUNTEER EXPERIENCE

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**Tutor for AP (Advanced Placement Test) - Computer Science.**

Dec. 2016 – Mar. 2017

Organized regular class sessions. Teaching materials included OOP design, polymorphism, computer I/O and basic data structures.

## PERSONAL PROJECTS

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- **Graph Searching Algorithms Simulator**

(JavaFX)

Used to visualize the process of finding the shortest path between two points using 5 graph searching algorithms - Greedy, DFS, BFS, Dijkstra, A\*.

- **Multiplayer Pictionary Game**

(Node.js, HTML, CSS)

Classic game of Pictionary where each round a player chooses a word and draws a picture on it. Other players win points by guessing the word correctly. Player with the most points wins.