

# Samantha Fan

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## EDUCATION

University of Southern California, Los Angeles, CA August 2020-May 2024  
*Bachelor of Science in Computer Science*

- GPA: 3.93
- Relevant Coursework: Calculus III, Discrete Methods in Computer Science, Linear Algebra and Linear Differential Equations, Data Structures and Object-Oriented Design (C++), Web Publishing
- In Progress: Principles of Software Development (Java), Introduction to Embedded Systems, Introduction to Algorithms and Theory of Computing
- Presidential Scholar, Dean's List (Fall 2020)

Libertyville High School, Libertyville, IL August 2016-May 2020  
*High School Diploma*

- GPA: 4.68
- National Honor Society, National Merit Finalist, AP Scholar with Distinction

## SKILLS

Technical Skills:

- C++, Java, Python, JavaScript, CSS, HTML
- Unity
- Microsoft Office Suite, Google Workspace, Git

Languages:

- Conversational Mandarin

## WORK EXPERIENCE

iDTech, Remote May 2021-August 2021  
*Virtual Tech Camp Instructor*

- Hosted week-long online tech camps (C++, Java, JavaScript, Unity) for students aged 12-18 in small groups, familiarizing them with core programming concepts and language-specific syntax
- Prepared materials and curriculum outside of class-time to present a personalized experience to students
- Met with team leaders biweekly to discuss recent progress reports and behavioral trends, to enhance the student experience

Code Ninjas, Libertyville, IL August 2019-August 2020  
*Code Instructor*

- Guided students aged 7+ through JavaScript coding projects
- Led frequent facility tours for prospective students to introduce them to the curriculum
- Worked with 2 other team members to smoothly manage 20-25 students per shift

Kumon Math and Reading, Mundelein, IL December 2018-August 2019  
*Center Assistant*

- Developed fundamental reading and counting skills in preschool/early elementary children
- Tutored students on elementary and middle school level math and reading topics to build understanding
- Graded students' in-class and weekly homework assignments according to an answer key
- Worked with 5-8 students per shift in 1-2 hour sessions

## INVOLVEMENT

Libertyville High School Math Team August 2016-May 2020  
*Calculator-Team Leader (2019-2020)*

- Organized and lead weekly practices with 5 other members
- Coached team members on how to efficiently use their calculators' full functionality