

Daniel Shen

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in /daniel-shen-aa1068241

/UncreativeName1

Education

University of Waterloo

2022 – 2027

Bachelor of Computer Science (Co-op)

- > Received the Faculty of Mathematics Entrance Scholarship valued at \$10000
- > Received the Nortel Networks Institute Scholarship valued at \$3500
- > Courses: Algebra (Advanced Level), Calculus (Advanced Level), Designing Functional Programs (Advanced Level), Introduction to Microeconomics, Interpersonal Communication

Experience

United Speakers Global

Mar. 2021 – Present

Director of Software

/FearlessApp

- > Developed an iOS app with **Swift** and **XCode** as a public speaking assistant by using **Apple's AI-Powered SF Speech Recognition** to turn users' audio into text
- > Led a team of 4 developers in problem-solving, conceptualizing, and debugging the app
- > Achieved over **300 downloads** on the App Store with a **4.9 rating** within the first two months

TT Math School

Jan. 2020 – May 2022

Teaching Assistant & Private Tutor

- > Assisted students in both classes and private sessions in **contest-level math** such as combinatorics, geometry, and algebra
- > Worked alongside other Teaching Assistants to grade students' homework and provide feedback
- > Was amongst the first batch of Teaching Assistants hired at TT Math School

Kumon Institute of Education

Oct. 2017 – Mar 2021

Teaching Assistant & Grader

- > Assisted students with in-class work on topics such as curriculum math and English, up to Level J
- > Gained **full completion** of both the Kumon Math and Reading programs 3 years ahead of grade-level
- > Helped the Markham Kumon Center achieve **Rank 1** out of all 331 centers in Canada

Projects

Meteor Game

/UnityGame

- > Created a space-themed endless survival game with the **Unity Game Engine** and **C#**
- > Used **Unity's 2D Physics Engine** as the basis for sprite movement and collision
- > Collaborated and communicated alongside a partner to discuss game balancing and design

Discord Moderation Bot

/Mod-Bot

- > Used the **Discord.js** API to program a moderation bot, facilitating community moderators in muting and banning members, as well as sending automatic welcome messages
- > Currently used by Discord servers with more than **6000 members**

Awards

American Math Contest 2020, 2021 Feb, 2021 Nov - AIME Qualification (Top 5%); 2021 Nov - Distinguished Honor Roll (Top 1%, 226.5 USAMO Index)

USA Computing Olympiad 2021 Dec - Gold Division Qualification

Euclid Math Contest 2021, 2022 - Group V International Honor Roll (Top 1.4%)

Canadian Computing Contest 2022 - Group III International Honor Roll (Top 3%)

Skills

Traits Hardworking, Intuitive, Responsible, Communicative, Open-Minded

Technical C, C++, Rust, Python, Java, Javascript, Node.js, HTML, CSS, Swift, MATLAB, LaTeX