

Muchen Zhang

The Greens and Views, Panorama, Dubai, United Arab Emirates

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Summary

Self motivated high school senior with 2+ years of experience with coding. Created projects related to web development, game development, and machine learning. Interested in pursuing a career as a software developer in the future and solve problems in the world with code.

Education

DAA (GEMS Dubai American Academy)

IB DIPLOMA, HIGH SCHOOL STUDENT

- High honors with distinction in school year 2019-2020.

Dubai, UAE

Sep 2019 - present

AIS (Almaty International School)

HIGH SCHOOL STUDENT

- Won the President's Award for Educational Excellence in school year 2018-2019.

Almaty, Kazakhstan

Jan 2018 - June, 2019

University online courses

STUDENT

- Took Harvard CS50 Intro to Game Development and recreated several 2D retro games like Pong, Flappy Bird, and Mario with Lua.
- Learned about gravity, entities, and collision detection in game development.
- Took 6.042J Mathematics in Computer Science at MIT OpenCourseware.
- Watched online lectures on number theory, proofs, graph theory, algorithms and practiced assignments.

Online

Jan 2020 - Present

Extracurricular Activity

Protein Purification Identification and Preparation platform, Tsinghua University

INTERN

- Involved in part of a research project that studies one specific type of E. coli.
- Helped with experiments like cell-seeding, grew E. coli and used protein purification equipment like ÄKTA pure.
- Made petri dish media for lab experiments individually.
- Organized monthly reports for equipment usage.

Beijing, China

June 2019 - July 2019

My Website

PROGRAMMER, MY WEBSITE

- Developed a personal website using html, CSS, and Javascript with up to 350 daily views.
- Recorded coding projects done in the past.

Dubai, UAE

March 2020 - Present

Tech Club, Almaty International School

FOUNDER & PRESIDENT

- Created a website facilitating late bus sign-ups.
- Hosted weekly meetings to discuss possible improvements to the school system such as new arcade games for school events.

Almaty, Kazakhstan

March 2019 - June 2019

International Youth Science Journal

MIDDLE EAST HEAD OF PUBLIC RELATIONS

- Managed social media accounts, created 15+ social media posts.
- Recruited writers and mentors from the MENA region.
- Peer edited articles biweekly.

Online

April 2020 - Present

Little Learner Club, Dubai American Academy

TUTOR

- Tutored a fifth-grader in math, including basic trigonometry and linear functions.
- Prepared practice questions that can help with understanding math concepts.

Dubai, UAE

Sep 2020 - Present

Honors & Awards

INTERNATIONAL

- 2019 **Top 25%**, CEMC Waterloo Math Contest (Cayley)
- 2020 **Top 5 at school**, AMC 12 (American Mathematics Contest 12)
- 2019 **Tournament of Champions Qualifier**, World Scholar's Cup Global Round

Almaty, Kazakhstan

Dubai, UAE

Beijing, China

DOMESTIC

- 2019 **2nd Place**, QSDA(Qazaqstan Speech and Debate Association) Speech and Debate Cup
- 2019 **3rd Place**, COASH(Confederation of Almaty Schools and Head Teachers) Chess competition

Almaty, Kazakhstan

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