

Contact

West Vancouver
6047541808 (Mobile)
austinjiangboyu@gmail.com

www.linkedin.com/in/austin-boyu-jiang (LinkedIn)

Top Skills

Algorithms and Data Structures

Development Tools: IDEs, Git, MySQL, Flask, etc.

Programming Language: C++, Python, Java, C#, JavaScript, etc.

Languages

English (Native or Bilingual)

Mandarin (Native or Bilingual)

Honors-Awards

Canadian Computing Olympiad
Silver Medalist, 7th place

Canadian Computing Competition
Senior: Int'l 10th, Nat'l 5th

USA Computing Olympiad Platinum
Division

CALICO Spring 2024 Gold Brick,
5th place out of 500+ teams

ACSL 2024 Senior 1st place + Finals
Gold Medalist, 9th place

Publications

Constructing combinators for
arithmetic and arbitrary-length
bitwise operations

Austin Jiang

IB Diploma student @West Vancouver S.S. | "Tech otakus can save the world"

West Vancouver, British Columbia, Canada

Summary

I am a grade 12 student passionate about competitive programming. I'm looking for research and internship opportunities to further develop my skills and knowledge in Computer Science.

Experience

Wolfram

3 months

Wolfram Emerging Leaders Program

July 2024 - Present (1 month)

Invited as a top student from the high school summer research program, I will participate in the semester-long Wolfram Emerging Leaders Program. This initiative involves working in small groups on advanced computational science projects, guided by experienced mentors. The program focuses on leadership, teamwork, and advanced problem-solving skills, culminating in the creation of interactive projects and research papers.

Wolfram High School Summer Research Program

May 2024 - July 2024 (3 months)

Boston, Massachusetts, United States

Participated in a three-week intensive research program at Wolfram Research, enhancing programming, problem-solving, and research skills in theoretical computer science. Guided by expert mentors and collaborating with Stephen Wolfram, focused on constructing SK combinators. Developed solutions resulting in a published interactive research paper by Wolfram Research Inc, presented to over 100 attendees.

Happy Hackers Foundation

Co-Founder & President of Happy Hackers Foundation

August 2023 - Present (1 year)

Vancouver, British Columbia, Canada

Co-founded an international non-profit organization to break down educational barriers and promote inclusive and diverse STEM education. Organized 5

monthly hackathons and hosted 6 speeches from experts in the STEM field and coding-related workshops. Attracted over 600 participants across 28 countries and organized 98 coding projects. Raised \$2,000+ in cash and \$50,000+ in equivalent donations.

DMOJ: Modern Online Judge

Contest Director & Problem Setter at Modern Online Judge

June 2022 - Present (2 years 2 months)

Canada

Directed advanced algorithmic and data structure problems for three programming challenges on DMOJ, Canada's largest competitive programming platform. Attracted over 1000 contestants, including Gennady Korotkevich and dozens of IOI participants. Collaborated with a team of 6-8 CS students from CMU, Cambridge, and UWaterloo to set up problems, discuss improvements, and manage contest logistics.

UTG Academy

Coding Instructor at Under the GUI Academy

October 2022 - Present (1 year 10 months)

North Vancouver, British Columbia, Canada

Commit four hours weekly at Under the GUI Academy to teaching Python programming on PixelPad, using Unity game engines, and teaching advanced web development with JavaScript and React to elementary and middle school students. Manage a private classroom, ensuring a conducive learning environment, monitoring student progress, and adapting my teaching style to accommodate individual needs and diverse learning styles.

Shad Canada

Shad Fellow at Laurentian University Campus

July 2023 - July 2023 (1 month)

Sudbury, Ontario, Canada

Participated in the Shad Canada Program, connecting with peers in STEAM and exploring interdisciplinary applications. Completed the "Yurt Community" project, addressing Canadian housing issues focused on accessibility, community, and affordability. Presented our project via slides, a brochure, and a demonstration to over 200 attendees, including architecture experts at Laurentian University.

Education

International Baccalaureate

IB Diploma · (September 2023 - June 2025)

West Vancouver Secondary School

Dogwood Diploma · (September 2020 - June 2025)