

Zirui (Simon) Guo

Student Maker, Inventor, Researcher

I am a high school senior studying in Toronto, Canada. I'm passionate about new technologies, especially in robotics, Internet of Things, consumer hardware, and neurotechnology. I've created many projects that focus on solving real-life issues with combinations of hardware and software, at hackathons, and as personal side projects.

Contact Information

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EXPERIENCE

Interaxon

Mindful Technology Resident Intern (2018.6 - 2018.8)

Worked in research & development directly under the CTO. Conducted software architecture research and development, rapid prototyping, and user experience testing for Muse 2, the second generation of the Muse brain-sensing headband. Created mind-controlled multi-media installations for events.

hack.init(), THEHack

Founding Member & Organizer (2017.2 - 2018.7)

Co-founded and organized China's largest youth hackathons in 2017 (hack.init(), 300 hackers) and 2018 (THEHack, 500 hackers).

Toronto Hacker Club

Event Coordinator (2016.12 - 2017.11)

Promoted computer science education across the Greater Toronto Area by organizing Canada's largest high school hackathon THacks2 (300 hackers) and three tech workshops with Mozilla and NeuroTechTO.

Other Associated Organizations

Member of BrainMind Ecosystem (2018 - Present)
Member and Event Organizer at NeuroTechTO (2017-Present)
Innovation Student at The Knowledge Society (2017-2018)
SumoBot Team Member at University of Toronto Robotics Association (2016-2017)
Research Member at Shanghai Science Association for Young Talents (2014-2015)

EDUCATION

Upper Canada College

International Baccalaureate & Ontario Secondary School Diploma (2015.9 - Present)

Director of Communication and Technology at World Affairs Conference, Co-founder and Club Head of Engineering Society, Horizons Robotics Lead, Varsity Cross Country Running Team, Senior Wind Ensemble, Hackathon Coordinator of the Digital Media and Computer Science Club, Robotics Club, Science Club, Debate Club, Rowing Team

Various Institutions

Summer Programs

Massachusetts Institute of Technology Launch Summer Program 2017
University of Toronto Da Vinci Engineering Enrichment Program 2016
Canadian Mathematical Society Math Camp (Invitational) 2016
Johns Hopkins University Center for Talented Youth 2015: Mathematical Logic

PROJECTS

Please visit my website (simonguo.tech) for my portfolio and awards.

SKILLS

Software

Strong: Python, Java, HTML, CSS, React, JavaScript, SQL
Knowledgeable: Node.js, PHP, C++, Git, R, React-Native, iOS Development, Android Development

Tools

Firebase, Amazon Web Services (S3, EC2, Route53, Lambda), Apache, Alexa Skills Kit, DigitalOcean, DialogFlow, Bootstrap, Markdown, Google Analytics, Unity

Hardware

Arduino, Raspberry Pi, 3D Printing, Fusion 360, Solidworks, Circuit Design

Languages

Fluent: Mandarin, English. Knowledgeable: Spanish

Other

Project Management, UX Design and Research, Video Editing, Sketch, Photoshop