

Zirui (Simon) Guo

Student Developer, Inventor, Engineer

I am a technologist and maker dedicated to improving the world through my creations. I had designed and built numerous products and prototypes (hardware and software) thorough internships, side projects, and hackathons (24 so far). Currently, I am looking for an internship in R&D, software engineering, or electronics engineering for summer 2020.

Contact Information

- +1 (510) 984-8835
- simonguozirui@gmail.com
- simonguo.tech
- simonguozirui
- simonguozirui
- Berkeley, CA



EXPERIENCE

HAX by SOSV

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Intern (2019.6 - 2019.8)

Design thinking, mechatronics system design, and rapid prototyping on most-needed research and development challenges of accelerator's portfolio companies. Due-diligence and technical deep-dive for evaluating startups; strategy for new venture recruitment and expansion.

Interaxon

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Mindful Technology Resident Intern (2018.6 - 2018.8)

Worked in research & development directly under the CTO. Conducted software architecture research and development (Python, C++), rapid prototyping, and user experience testing for Muse 2, the second generation of the Muse brain-sensing headband; the product was launched and won the CES 2019 Innovation Awards. Also created mind-controlled multi-media installations for events.

hack.init(), THEHack

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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); in charge of program planning, sponsorship, and on-site operations.

Toronto Hacker Club

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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.



EDUCATION

University of California, Berkeley

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B.S., Electrical Engineering & Computer Sciences Major (2019.9 - 2023.6)

Regents' and Chancellor's Scholar (the most prestigious scholarship offered by UC Berkeley to entering undergraduate students), Engineering Scholars as Engaged Scholars

Relavant Courseworks (in progress): CS 61A Structure and Interpretation of Computer Programs, EE 16A Designing Information Devices and Systems I, Math 1B Calculus

Upper Canada College

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International Baccalaureate & Ontario Secondary School Diploma (2015.9 - 2019.6)

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

Various Institutions

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Summer Programs

Massachusetts Institute of Technology Launch Summer Program 2017

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

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Strong: Python, Java, HTML, CSS, React, JavaScript, Data Structures

Knowledgeable: Node.js, PHP, C++, Git, R, React-Native, SQL, iOS & Android Development

Tools

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

Hardware

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Arduino, Raspberry Pi, 3D Printing, Fusion 360, SolidWorks, Circuit Design, Mechatronics System

Languages

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Fluent: Mandarin, English. Knowledgeable: Spanish

Other

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