

XIAO, BOYANG

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89 Chestnut St, Toronto, Ontario, Canada

EDUCATION

Bachelor of Applied Science and Engineering (B.A.Sc) in Engineering Science (EngSci) + PEY Co-op

University of Toronto, Toronto, ON, Canada

09/2025 – 04/2030(expected)

- Intended Major: Biomedical Systems Engineering/ Mathematic Statistic Finance Engineering
- Relevent Courses:

Calculus I & II, Praxis I & II, Computer Programming, Computer Algorithms and Data Structures, Engineering Mathematics and Computation, Linear Algebra, Structures and Materials, Molecules and Materials, Electric Circuits, and Classical Mechanics.

TAIE International Institute (Ontario Secondary School Diploma)

09/2024 - 06/2025

SKILLS

- Programming: C with Arduino framework, Python, Matlab
- CAD: Solidworks
- Machining: Laser Cutting, 3-D Printing, Drill Press
- Language: Fluent in English and Chinese (Speaking, Writing)
- Public Speaking, Teamwork, Problem-solving
- Video Editing

INTERNSHIP EXPERIENCE

Shenzhen YHLO Biotech Co. Ltd.

01/2024 - 02/2024 & 07/2024 - 08/2024

Research & Development Engineer (01/2024 - 02/2024)

- Prepared cDNA library and conducted quality control tests.

Bioinformatics Analysis Engineer (07/2024 - 08/2024)

- Utilized machine learning to predict causes of Fever of Unknow Origin based on biochemical indicators.
- Achievements: Authored a report on the application of machine learning for predicting causes of undiagnosed fevers.

PATENTS AWARDED

A Firefighting Drone

08/11/2024

- Patent No.: 202420991088.7
- Publication Serial No.: 2024110801718700

A Reconnaissance Firefighting Drone

08/11/2024

- Patent No.: 202420991086.8
- Publication Serial No.: 2024110801760600

EXTRACURRICULAR ACTIVITIES

University of Toronto, GenAI Genesis Hackthon

3/2026

Team lead for Creamy- Smart Money Track Project.

- Developed a software tracking Smart Money based on darkpool, Option flow, insider trading information.
- Gained experience in Finance Technology Area.

University of Toronto, RCAG x UTEFA Case Competition

3/2026

Team Member

- Conducted risk assessment across 4 dimensions (infrastructure, expansion, resource, concentration) using financial metrics (ARR, YoY growth, runway) to support investment recommendation.

University of Toronto, University of Toronto Bioengineering design team

2/2026

Project Lead for Tongue Sensor Project

- Manage operation of a 15 members team and develop systematic engineering design process.
- Gained experience in team leadership and design for accessibility.

University of Toronto, University of Toronto Engineernig Finance Association Stock Pitch Competition

2/2026

Team Member

- Corporate with team members to develop Discounted Cash Flow model for Fedex.
- Gained experience in finace and presentation.

University of Toronto, University of Toronto Engineernig Finance Association QuantiFi Competition

11/2025

Team Leader

- Develop trading code to implement the strategy researched by my teammate.
- Gained experience in quantitative trading field.

University of Toronto, Utbiotic Club (Home-automation Project)

10/2025

Club member

- Software and circuit development for accessibility for home entrance.

China International College Students' Innovation Competition (2024)

11/2024

Business Leader, Software development

- Cooperation with various departments and identified and succeed to fully fund the work.
- Awarded Innovation Potential Award, "Fire Eagle—Fire Reconnaissance and Control Pioneer Team," Sprout Track, China International College Students' Innovation Competition (2024)

AWARDS & HONORS

National Awards:

- Innovation Potential Award, "Fire Eagle—Fire Reconnaissance and Control Pioneer Team," Sprout Track, China International College Students' Innovation Competition (2025)

University Awards:

- Most Creative Design Award, A solution for children with Hypersensitivity to desensitize with Teeth Brushing, Smile Hackathon. (2026)

PROJECTS

Portfolio Hub

(<https://portfolio-hub.net>)

- A full-stack AI-powered portfolio management web application using Flask and WebSockets, featuring a multi-stage agentic pipeline (investor screening, smart money signals, news analysis, and composite scoring) to deliver real-time TRIM/HOLD/ADD recommendations across a personalized holdings.

Creamy- Smart Money Track

(https://github.com/xyy3924-max/Creamy-Smart_Money_Track_Agent)

- A agentic AI system with 6 tools including: Option flow detection, Dark Pool transaction (Volume absorption, Flow/Price Divergence), Institution Positioning, SEC filing, and Social Buzz.

HomeAutomation:

- An IoT project empowering an disabled client to open front door by voice control.