Joshua Li

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EDUCATION

University of Waterloo (1A Term)   **Sept 2022 – April 2027**
Bachelor of Computer Science, Honours
- Member of the Data Science Club, UW Orbital (Attitude Determination and Control System Subteam).

SKILLS

- **Languages:** React.js, Java, JavaScript, HTML/CSS, Python, Racket.
- **Tools & Frameworks:** MongoDB, Firebase, Node.js, Express, Socket.IO, Scikit-learn, TensorFlow.

WORK EXPERIENCE

Pensieve (ProductHunt).   **Jul 2021 – Sep 2021**
Software Engineer, Intern   *Remote*
- Silicon Valley-based startup (CMU Incubator).
- Automated user research workflow using **React.js**, **CSS**, **Express**, and **MongoDB** to facilitate file upload/edit, dot-voting and affinity map creation.
- Worked with a world-class team over Slack, Notion, GitHub, and Figma to deliver the MVP.

PROJECTS & PROGRAMS

Polyglot.io (DevPost)
- Created a video-chatting app using **React.js** and **NLP** to gamify language-learning.
- Programmed a mad-libs game using Parts-of-Speech **APIs** to identify nouns in randomly generated English/French quotes.

Company-Report (GitHub)
- Generated company profiles using **React.js**, **MUI** and **FinnHub API** to graph stock prices, display recent news and link related companies.

NOTZR (GitHub)
- Co-founded a notes-sharing platform using **React**.js and **Chakra UI** for Toronto IB students.
- Built website with **Firebase** (Realtime Database, Storage) backend to display notes catalogue, view notes and upload notes.
- Overcame non-technical issues by communicating with faculty and friends to gather 50+ notes and promote platform.

Inspirit AI Summer Program & Deep Dives Program
- Employed sentiment analysis using **NLP** techniques (Bag-of-Words, LSTM, BERT) to process financial news text segments.
- Implemented autonomous driving using **Imitation Learning** and **Reinforcement Learning** (with Keras) to simulate driving a car around a racetrack.

INTERESTS & AWARDS

Rock Climbing – enjoy climbing at my university's gym since this September.
Biking – love road biking in the sunset, especially in Toronto.
Indie Music – a fan of Radiohead, The Neighbourhood, and Bell & Sebastian.

USA Computing Olympiad Gold Division
- Approx. top 20% of contestants through competitive programming in **Java**.