

Joshua Li

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SKILLS

- **Languages:** React.js, Java, JavaScript, HTML/CSS, Python.
- **Frameworks:** Node.js, Express, Socket.IO, Scikit-learn, TensorFlow, Keras.
- **Developer Tools:** MongoDB, Firebase, Git, GitHub, Microsoft Azure, Google Cloud.

WORK EXPERIENCE

Pensieve (producthunt.com/products/pensieve-2)

Jul 2021 – Sep 2021

Software Engineer, Intern

- Contributed **40+** pull requests to Silicon Valley-based startup (CMU Incubator) while working world-class team over Slack, Notion, GitHub, and Figma to deliver the Minimum Viable Product.
- Automated user research workflow using **React.js**, **CSS**, **Express**, and **MongoDB** to facilitate file upload/edit, dot-voting and affinity map creation.

PROJECTS & PROGRAMS

Polyglot.io (devpost.com/software/polyglot-io)

- Created a video-chatting app using **React.js** and **NLP** to gamify language-learning.
- Programmed a mad-libs game by combining **Axios** requests with Parts-of-Speech **APIs** to generate quotes and process them in both English and French.

NOTZR (github.com/j4x04/notzrV1)

- Co-founded a notes-sharing platform with **50+** notes using **React.js** and **Chakra UI** for Toronto IB students.
- Built website with **Firebase (Realtime Database, Storage)** backend to display notes catalogue and view/upload notes.

Company-Report (github.com/JoshLiCoding/Company-Report)

- Retrieved company news and stock information using **RESTful** Finnhub **API** with **React.js** and **MUI**.
- Graphed stock trends using the React component for **Chart.js** (react-chartjs-2).

Inspirait AI Summer Program & Deep Dives Program (inspiritai.com/liveonline)

- Employed sentiment analysis using **Python NLP** techniques (Bag-of-Words, LSTM, BERT) to process financial news text segments achieving **95%** validation accuracy.
- Implemented autonomous driving with **Keras** using **Imitation Learning** and **Reinforcement Learning (Deep Q-Learning)** to simulate driving a car around a racetrack.

AWARDS & INTERESTS

USA Computing Olympiad Gold Division

- Approx. top **20%** of all contestants through competitive programming in **Java**.

Rock Climbing – learning bouldering and top roping.

EDUCATION

University of Waterloo

Sept 2022 – April 2027

Bachelor of Computer Science, Honours

- Cumulative GPA: **3.98**.
- Relevant Coursework: Elementary Algorithm Design and Data Abstraction (**C**), Tools and Techniques for Software Development (**Linux Shell**).
- Member of the Data Science Club, UW Orbital (Attitude Determination and Control System Subteam).