

# Ruoxi (Lucy) Li

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## TECHNICAL SKILLS AND INTERESTS

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**Languages:** Java, JavaScript, HTML/CSS, R

**Frameworks:** React.js, Node.js, Alexa Skills Kit

**Developer Tools:** NetBeans, Visual Studio Code, Eclipse, APIs, Git, GitHub, RStudio

**Interests:** Scrapbooking, baking, spending time with my baby sister.

## PROJECTS

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**Amazon Alexa Skill – Weather Wear** | *JavaScript, Node.js, ASK* Nov 2022 – Dec 2022

- Developed an Amazon Alexa Skill (**VUI**) which uses the current Waterloo weather to suggest suitable clothing options and give safety reminders for new students adjusting to the Waterloo weather.
- Programmed in **JavaScript** with **Node.js** and **Alexa Skills Kit**.
- Implemented **OpenWeather API** to obtain relevant numerical and descriptive data.

**Personal Website** | *HTML/CSS, JavaScript, GitHub* Nov 2022 – Present

- Developed a personal website showcasing information about myself, links to my profiles, and a presentation of my projects and experiences.
- Utilized **HTML** and **CSS** to create personalized designs while ensuring ease of use.
- Employed **JavaScript** to generate unique features, such as smooth scrolling transitions.

**To-Do List Application** | *JavaScript, React.js, React Hooks, GitHub* Dec 2022 – Jan 2023

- Developed a to-do list application using **React** that allows users to add and delete customized to-do items in a list.
- Employed **React Hooks** to preserve items in list between function calls.

**Tic-Tac-Toe Game** | *Java, Swing* Jul 2022

- Created a basic two-player Tic-Tac-Toe game using **Java** that allows two players to play against each other.
- Made use of **Java Swing** to create a graphics-based operating system (GUI) for gameplay.

## EXPERIENCE

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**UNICEF Club President** Jun 2020 – Jun 2022

*Bayview Secondary School*

*Richmond Hill, ON*

- Led a high school charity club with 10 fellow club executives and 200+ general members.
- Organized a children's day event leading the executive team in teaching 100+ students on Conventions on the Rights of the Child.
- Cooperated with an external charity to build 350+ craft kits for children in the ICU.
- Collaborated with team members to host daily challenges with the incentive of aiding UNICEF Canada's COVID vaccine fund, raising a total of \$1000+ over the span of one year.

**Private Tutor** Oct 2021 – Jun 2022

*Self employed*

*Richmond Hill, ON*

- Tutored a grade 11 student 4 hours a week in all day-school courses, including math, chemistry, English and civics.
- Communicated effectively with student and their guardian about academic goal setting and teaching methodology.
- Took time to conscientiously plan out lessons every week, seeing a visible improvement in the student's understanding of material and school grades (by 8% in cumulative average).

**Founder of Elephant in the Room Studio** Mar 2022 – Present

*Self employed, Etsy Seller*

*Richmond Hill, ON*

- Created designs for items such as photo albums and GripToks using Adobe Photoshop and Procreate.
- Worked with various manufacturing companies to mass produce a total of 200+ items with self-made designs.
- Packaged and shipped orders twice a week, earning 50+ customers over the span of two months, and all five-star reviews on Etsy.

## EDUCATION

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**University of Waterloo** Waterloo, ON

*Candidate for Bachelor of Mathematics (Co-op)*

*2022 – 2027*

- Relevant courses: Elementary Algorithm Design and Data Abstraction, Tools and Techniques for Software Development, Designing Functional Programs.