

# XIANZHAO (PAUL) DUAN

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## PERSONAL SKILLS

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### Technical Skills:

**Advanced:** React.js, Bootstrap, JavaScript, HTML/CSS, Java  
**Intermediate:** Node.js, Express.js, MongoDB, Python, C, Linux, Git

### Soft Skills:

- Independently identify and address arisen problems
- Independently contributor
- Conviction of developing intuitive software
- Passionate about learning new skills

## SIDE PROJECTS

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### RBC Reach | *React.js, Google Map Api, Figma, react-i18next*

- Created a kiosk system to help newcomers to live easier in Canada in **24 hours** and won the **RBC Challenge** at **DeltaHacks IX**.
- Aim to help newcomers learn about RBC's banking options, book appointments, and search for the nearest branches.
- Implemented **8 language** options using the **react-i18next** library.
- Collaborated with a team of 4, and was responsible for the development of the front-end using **React.js** with 2 other teammates.

### Round Table | *React.js, Three.js, Express.js, Socket.io, MongoDB, Blender*

- Developed a web application for small teams to conduct interactive online meetings.
- Utilize Blender and **Three.js** to implement interactable 3D representations of attendees.
- Built a live chat feature with **Socket.io** to facilitate real-time communication among team members.
- Use **Express.js** for the back-end server and **MongoDB** to store attendees' data and messages.

### OSCS Front-End Website | *HTML/CSS/JS, PDF.js, Express.js*

- Designed and implemented a **Windows XP-inspired aesthetic** website for Open Source Cheat Sheet.
- Employed **Express.js** as the backend for handling preview and download requests.
- Integrated **PDF.js** to implement a preview feature for PDF files.

### Elm-Formatter | *React.js, Node.js, Bootstrap, Ace*

- Designed a website that assists classmates in formatting their final project's Elm code according to the official style guide.
- Collaborated with a team of 3, I was responsible for the development of the front-end using **React.js**.

### Pomo Player | *Android Development, Java, Material Design 3*

- Developed an Android MP3 player to assist individuals in practicing the Pomodoro Technique.
- Allows users to insert a 25-minute interval between the playback of two MP3 files.
- Incorporated **Material Design 3** principles throughout the design to enhance its overall aesthetic and user experience.

## EXPERIENCE

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### Subway - Sandwich Artist

May 2022 – Nov 2022

- Developed strong **time management skills** through effectively balancing tasks such as serving customers, preparing backups, maintaining food safety standards, opening and closing the store.

## EDUCATION

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### McMaster University

Bachelor of Applied Science - BAsC, Computer Science Co-op

2021 – 2025

Hamilton, ON

## ACHIEVEMENT

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### Certificate of DISTINCTION

Ranked in the **top 25%** of contestants in the Canadian Computing Competition

2021

CEMC

### McMaster Award of Excellence

Entrance Scholarship. A final admission average in the **top 10%** of engineering faculty.

2021

McMaster