Name

111-111-1111 *|* [j chara@live.concordia.ca](mailto:j_chara@live.concordia.com) *|* [linkedin](http://linked) *|* [github.com/personal](http://github)

# Education

**Languages: Fluent in English and French.**

**Concordia University** Montreal, Quebec, Canada

*Master of Computer Science May 2022 – Nov. 2024*

**Beijing Institute of Technology** Beijing, China

*Bachelor of Computer Science Aug. 2015 – Jun. 2019*

# Experience

**Software Development Engineer** Sept. 2021 – Apr. 2022

*Xiaomi Corporation Beijing, China*

* Developed and maintained **automated testing pipelines** for Xiaomi’s embedded TV box system, covering **20+ UI components** and ensuring full system validation.
* Implemented **image recognition-based UI automation** using **OpenCV + Selenium** to detect UI rendering and correctness issues, reducing **manual verification efforts by 75%** (from 8 hours to 2 hours per test cycle).
* Integrated **Chrono** for test task scheduling, automating daily test execution and increasing **test efficiency by 50%**.
* Utilized **Jira** for test management, refining workflows to reduce **task response time by 40%**, enhancing collaboration between QA and development teams.

**Game Test Engineer** Jun. 2020 – Aug. 2020

*Changyou.com Ltd. Beijing, China*

* Implemented **automated functional testing** for the mobile game *Tian Long Ba Bu 2*, using **UTF** to cover **50+ game features**, including **user authentication, battle mechanics, and reward distribution**.
* Tracked and reported **gameplay bugs, UI inconsistencies, and performance issues** using **Jira**, facilitating more efficient debugging and issue resolution.

**Software Test Engineer** Aug. 2018 – Nov. 2018

*Neusoft Corporation Beijing, China*

* Conducted **functional and integration testing** for a Linux-based real-time messaging application, ensuring seamless **text communication and file transfer**.
* Collaborated with developers to refine **network protocols and error handling**, improving overall system reliability.

# Projects

**Developer Forum** *| MERN Stack (MongoDB, Express, React, Node.js)* Dec. 2024 – Jan. 2025

* Deployed the application on **[Heroku](https://sleepy-taiga-45425-226a061b3aea.herokuapp.com/)**.
* Architected a **secure and scalable RESTful API** with JWT authentication and refresh tokens for persistent user sessions.
* Developed core functionalities, allowing users to **register, publish posts, comment, and like/unlike discussions**.
* Optimized database queries and indexing, achieving **40% faster API response times**.

**Language Learning App** *| Next.js, TypeScript, Postgres, Clerk.js, Stripe, Vercel* Feb. 2025 – Mar. 2025

* Deployed the application on **[Vercel](https://linduogo-jack-smiths-projects-f660ecbf.vercel.app/)**.
* Developed a feature-rich language learning platform with **Google and third-party authentication** via Clerk.js.
* Integrated **Stripe payment API** to implement a subscription-based model, restricting errors for non-premium users to drive conversions.
* Implemented **learning progress tracking**, enabling users to monitor achievements dynamically.

# Technical Skills

**Languages**: Java, Python, C/C++, Postgres/MySQL, TypeScript, JavaScript, HTML/CSS, C#, PHP

**Frameworks**: Next.js, Django, JUnit, Springboot Material-UI, Ruby On Rails, Nestjs, Lavarel

**Developer Tools**: AWS, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, WebStorm, Azure, CI/CD, Jira, Git, Docker

**Libraries**: React, Tailwind CSS, HTMX, AlpineJS, NumPy, Matplotlib