Karen Chen

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PROFILE

Third-year Computer Science student with strong problem-solving skills and a desire to explore the tech industry. Proven quick learner with the ability to work under pressure both independently and in a team as seen in the internship role. Has extensive understanding about clients' needs and is able to reflect on change requests efficiently. Always eager to learn and take on new challenges in the ever-changing software industry.

TECHNICAL SKILLS

Programming Languages : Python, Java, JavaScript (Node.js), HTML, CSS, SQL, C
Frameworks and Libraries : Flask, Bootstrap, jQuery, React, Material-UI, Express.js, Mongoose

EDUCATION

University of Toronto   Toronto, Canada
Honours Bachelor of Science in Computer Science   *Sep 2018 - Present*
- Cumulative GPA: 3.98/4.00 ; Major GPA: 4.00/4.00 - Dean's List Scholar
- Anticipated Graduation: June 2022

EXPERIENCE

Royal Bank of Canada   Toronto, Canada
Software Developer - Full Time Internship   *May 2020 - Aug 2020*
- Influenced three large firms including one of the world's leading information services companies to collaborate with RBC by designing and developing a web application that powers a business search engine.
- Enhanced existing RBC commercial banking clients' decision-making process by providing analysis of sales trends and real-time transaction data through a web application.
- Implemented the majority of UI features such as the rendering of search results with **Bootstrap, jQuery, ChartJS** and **Datatables** and quickly handled urgent change requests from clients and executives.
- Received high recognition from program managers and department directors due to high quality work done in conducting small surveys and integrating user-driven design into the product.

PROJECTS

Today   *Jan 2020 - Apr 2020*
- Managed a four-people team to develop a web application that aims to boost users' productivity with **React, Express.js** and **MongoDB**.
- Designed and constructed an aesthetic user interface with **Material-UI** following extensive research on similar applications like Momentum.
- Implemented backend APIs for many features including bookmarks, todo list and private messaging by using **Express.js** with a quickstart guide and outlined the database schema with **Mongoose**.

RBC's NiMO Mobile Application   *Jan 2020 - Jan 2020*
- Won **3rd place** for **RBC's innovative digital banking challenge** at UofTHacks VII.
- Led a team of four to design a mobile application that centralizes all of a user's bill payments and subscriptions into one application that can be directly integrated into RBC's mobile app.
- Created an intuitive mobile application mock-up with Figma after researching current banking clients' needs and applying user-centric design into the product.

Automated Teller Machine System - Java   *Feb 2019 - Apr 2019*
- Worked with five other teammates to create an interactive Automated Teller Machine (ATM) system in Java that enables users to create and interact with different types of accounts through GUI.
- Maximized efficiency in the development process by incorporating design patterns such as the Iterator pattern and the MVC pattern into the final product.
- Constructed all account related features such as deposit, withdrawal and transaction for the ATM system.