

Melissa Shao

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SKILLS SUMMARY

Languages: Python, SQL, JavaScript, Java
Backend: Express, React, Node.js, Firebase, MongoDB
Software & Tools: PyCharm, Visual Studio, SQL Server Studio, IntelliJ, Git, jQuery, API

PERSONAL PROJECTS

SmileEstate Jun 2024

- Developed a real estate web application using the MERN stack, facilitating users in renting and selling properties, and integrated a real-time chat functionality to enhance communication between users.

ACADEMIC PROJECTS

Dronify | Project Two Course | <https://dronify-mbme.onrender.com> May 2024

- Developed a comprehensive application using Tailwind, EJS, Node.js, Express, and MongoDB that deploys autonomous drones for on-demand services, including package delivery, drone share and roadside assistance for EVs, achieving delivery speeds 500% faster than traditional methods and significantly reducing traffic congestion.
- Collaborated with four teammates using Agile methodology, cycling between different roles to gain a comprehensive understanding of the development process, GitHub collaboration and enhanced testing skills.

Pikachu SUD Game | British Columbia Institute of Technology Mar – Apr 2024

- Partnered with a teammate using Python to design and develop a text-based single-user dungeon (SUD) game.
- Designed the game flow methodically by utilizing a flowchart to gain a clear and organized development process.
- Verified the code's functionality by conducting various unit tests ensuring the reliability and correctness of the code.

ProcrastinHate | Project One Course | <https://drc11-project.web.app> Jan – Apr 2024

- Collaborated with two teammates to develop a web application using HTML, Javascript, AJAX and Firebase to help users tackle procrastination by providing tools and resources to improve their physical and mental health.
- Initiated regular communication, motivated team members, and established soft deadlines using worksheets and Trello, effectively addressing challenges in a team environment and enhancing overall productivity.

CLIENT SERVICE EXPERIENCE

Financial Analyst/Advisor | Full-time Jul 2016 – Jul 2021

China Minsheng Banking Corp., Ltd | Dalian, China

- Analyzed financial products and investment data using statistical methods to identify investment opportunities.
- Delivered data-driven advice using databases monitoring the market achieving 15% average client portfolio growth.

Branch Lobby Manager | Full-time Jan 2014 – Jun 2016

China Minsheng Banking Corp., Ltd | Dalian, China

- Implemented data-driven strategies to optimize operations, resulting in a 30% reduction in customer wait time.
- Collaborated on inter-departmental projects integrating new digital tools, and supporting decision-making.
- Spearheaded a data system using analytics to personalize marketing efforts, increasing client retention rates by 25%.

EDUCATION

Computer Systems Technology Diploma Jan 2024 – Present

British Columbia Institute of Technology | Vancouver, Canada

Bachelor of Applied Chemistry Sep 2009 – Jun 2013

Liaoning Normal University | Dalian, China