Byron Tung

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EDUCATION

University of Alberta | Bachelor of Science - Major in Computer Science   Expected Dec. 2023

SKILLS

Python, Java, SQLite, C, Git, JavaScript, HTML, CSS, MongoDB

EXPERIENCE

Research Assistant - University Of Alberta | Edmonton, AB   May 2021 - Aug. 2021
- ❏ Worked with a team to meet and discuss the professor's goals on his research on periodic movement in a polygon.
- ❏ Analyzed and implemented requirements using Java and JavaFX.
- ❏ Optimized periodic searching speeds by up to 30% by automating and minimizing manual searches.

Waiter - Tropika Malaysian Cuisine | Edmonton, AB   Sept. 2017 - Present
- ❏ Working under pressure while managing priorities and time.
- ❏ Demonstrate proficiency in multiple roles to increase efficiency and flexibility in a working environment.
- ❏ Recommending items that fit the customers needs which contribute to improving overall experience.
- ❏ Continuously looking for opportunities to discuss ideas with management to improve customer service.

Badminton Coach - B-Active Badminton Club | Edmonton, AB   July 2016 - Sept. 2018
- ❏ Created, delivered, and led activities for groups of around 30 people that focused on improving fundamentals and morale while reinforcing a risk-taking mindset.
- ❏ Comprehending and adapting strategies through experience and proactive observation at local and provincial levels.
- ❏ Develop communication skills to express and deliver advice through reinforcing fundamentals and creative examples.
- ❏ Trained as a player for 10+ years.

PERSONAL PROJECTS

Experimently
- ❏ Developed an app that collects experiments, results, and chats from users using Firebase.
- ❏ Adopted an agile workflow that allowed constant communication with the customer to understand their goals.
- ❏ Used test-driven development as well as frequent updates on UML and storyboards to promote quality code.

MongoDB-ify
- ❏ Created a CLI to allow users to interact with a forum that used MongoDB.
- ❏ Implemented authentication, OOP principles, and optimized algorithms to increase read times by 30% than average times.
- ❏ Used Git collaboration to allow for compatibility and cooperation in a group setting.

Restaurant Order Organizer
- ❏ Devised a miniature version of a QR code ordering service for a restaurant using Python. Organizes and splits up orders for efficiency and clarity.
- ❏ Uses version control to allow for implementing new features.

COURSES

CMPUT 204 - Algorithms I   Sept 2020 - Dec 2020
- ❏ An introduction towards algorithm design and analysis with an emphasis on searching, sorting, and graph algorithms.

CMPUT 291 - Introduction to File and Database Management   Sept 2020 - Dec 2020
- ❏ Implemented MongoDB and SQLite databases alongside understanding how data is modelled, indexed, and stored.

CMPUT 301 - Introduction to Software Engineering   Jan 2021 - April 2021
- ❏ Applied fundamentals of software engineering by effectively using effective design techniques, development tools, and good practice while collaborating with a team to produce a product.