

# JUN CHEN

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## SUMMARY

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- Proficient software developer, well-versed in different languages such as Python, C/C++, Java, Matlab, Swift.
- Fast learner with proven records of picking up machine learning knowledge and project management skills while working on relevant projects.
- Intermediate certification for Algorithm - Problem Solving in HackerRank.

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## EDUCATION

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**Honours Bachelor of Science (Computer Science Specialist),** *University of Toronto*, Toronto, ON 09/2016 – 06/2020

- **Relevant courses:** Computer Graphics (A+), Mod Symbolic Logic (A+), Marketing Geography (A), Technologies of Architecture, Landscape, Urbanism, and Art (A), Introduction to Artificial Intelligence (A-).

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## PROFESSIONAL EXPERIENCE

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**IBM Canada,** Toronto, ON

05/2018 – 08/2019

*Software Developer, IBM Power System Team*

Project: Automated Testing

- Created a script that automatized the environment setup and workload running with given parameters to save time and manpower.
- Enhanced data management skills from maintaining over 100 servers owned by the team.
- Mastered the use of recent container technologies such as Kubernetes, Docker, and OpenShift from performance analysis and optimization of IBM Private Cloud on Power platform.
- Independently configured the environment of KVM on IBM Cloud, including installing the image, assigning external storage from V7K, setting up the network, deploying charts, apps, and workloads.
- Improved self-learning capabilities and problem-solving skills from research to perfect the deployment process.
- Increase the testing efficiency by around 40% with the automatized process.
- Showed attention to detail from applying all security patches and keeping system records up to date.

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## PROJECT EXPERIENCE

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**Condo Rating Website (HTML, JavaScript, CSS, MongoDB)**

09/2019 – 02/2020

- Designed and developed a RESTful style website that allowed the users to search, rate, and review condos in the GTA.
- Exhibited excellent command in backend related architect, system design and implementation using JavaScript, Node.js, and MongoDB, with real-time data parsed from Google API.
- The web application was deployed and supported on Heroku.

**Web Testing Application (Python, HTML)**

12/2019 – 01/2020

- Built the test automation using Selenium Webdriver for an automated university course enrolment website.
- Wrote CSS Selectors, Xpath expressions to identify web elements.
- Ensured to enrolled in a course whenever there is an available slot with a given course code and refreshing frequency.

**2D Human Pose Estimation (Python)**

09/2019 – 12/ 2019

- Built a deep learning model based on the pre-trained VGG-19, trained with COCO Dataset 2017.
- Identified and matched the human joints for each person with the predicted Part Affinity Fields map, which could be applied to any photo or video with the final test accuracy of over 80%.

**Lightweight File System (C)**

02/2018 – 04/2018

- Built a lightweight ext2 file system, and wrote tools to modify ext2-format virtual disks, including copy, delete, symbolic link files and folders, etc.
- Connected several computers in local networks by socket, allowing the clients to send files or text messages to each other while the server could be set up in any terminal.

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## EXTRACURRICULAR

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**Note-taker Volunteer,** *University of Toronto*, Toronto, ON

09/2018 – 04/2029