Jing Liu

jing.liu6@mail.mcgill.ca, 514-649-2753
Personal site: *musicbyjing.com*
github.com/musicbyjing, linkedin.com/in/musicbyjing/

Education

McGill University, Montreal, QC — Sep 2017 – pres. (exp. 2021)
Bachelor of Science in Computer Science and Physics, 3.77/4.0 GPA

- Relevant courses taken include Data Structures and Algorithms (COMP 250, 251), Programming Languages and Paradigms (COMP 302), Numerical Computing (COMP 350). In progress: Artificial Intelligence (COMP 424), Research Project (PHYS 396)

Projects & Extracurriculars

- **Resto**: Developed a React app that returns the worst-rated place matching a user query using the Google Maps JavaScript API (*git.io/JevZn*) (in progress)
- **Personal website**: Rebuilt my personal website in React (*git.io/JeJdF*) (in progress); original was built with HTML/CSS/Bootstrap (*musicbyjing.com*)
- **Launch Party**: In a team of 3, created a website showing a map of the next rocket launch at spaceports around the world by teaching ourselves JavaScript and Bootstrap. This was for the NASA Space Apps Challenge (*git.io/fx7ly*)
- **McGill Rocket Team, Avionics**: Helped program telemetry sensors on a Teensy 3.6 and test hardware

Work Experience

Autodesk, Inc., Montreal, QC — May – Aug 2019
Software Engineering Intern

- Built a full-stack monitoring dashboard in two iterations, using Ruby, CoffeeScript, Hubot, Node, Express, and React. The project saves time for a team of 50+ developers by consolidating metrics from team resources into a dozen widgets, including a custom-built Slack service, on a cycling dashboard
- Collaborating with four teams, planned and managed the project from initial vision to completion. The project will be deployed on Amazon ECS and run on Raspberry Pi's in the Montreal and SF offices

Canadian Space Agency, Longueuil, QC — Jan – Apr 2019
Software Engineering Intern

- Deployed standardized software and Linux configurations to the team using Ansible playbooks
- Developed automated testing procedures on Linux and Windows for web applications using Selenium, JUnit, Maven, and Gauge, delivering a proof-of-concept that reduced average test time by 98%
- Created and revised scientific experiments for the CSA's Junior Astronauts initiative to encourage youth interest in science and space exploration

Camp Tournesol, Toronto, ON — Jun – Aug 2018
Camp Counsellor

- Collaborated with colleagues to lead activities—games, crafts, team-building exercises, language lessons, and field trips—for Francophone and French Immersion children aged 4 – 13, with the goal of promoting their usage and improving their level of French

Skills & Languages

- General programming: Java (intermediate), Python, C, Bash/Linux (basic)
- Full-stack web development: HTML, CSS, JavaScript, React, Node (intermediate), Express, Ruby (basic)
- Automation, QA, and IT: Selenium, JUnit, Gauge, Maven, Ansible (basic)
- English (native), French (intermediate), Cantonese (intermediate), Mandarin (basic)

Interests

- Avid outdoors enthusiast and photographer (flickr.com/musicbyjing)
- Follower of all things tech and space exploration
- Member of Table Tennis Club, Outdoors Club; CS + Physics Representative for Computer Science Undergraduate Society (at McGill); executive member of Montreal Student Space Associations