

Jay-lynn (Jialin) Shan

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SKILLS

Languages and Frameworks	Python, Java, JavaScript, ReactJs, C++, HTML, CSS, C#
Tools	Amazon Web Services, Google Cloud Platform, Git, LaTeX, Docker, Unity
Traits	Motivated, Team Player, Quick Learner, Flexibility

WORK EXPERIENCE

The Weather Network (Pelmorex Media Inc.)	05/2018 - 12/2018
<i>Software Developer, Intern</i>	<i>Oakville, ON, CA</i>
<ul style="list-style-type: none">Developed and released The Weather Network and MeteoMedia Alexa skill, which has accumulated numerous daily users, in cooperation with product managers and other engineers.Wrote an interactive map app using Javascript, Mapbox, NPM, Three.js, and AWS. Project is used by meteorologists to predict the weather by displaying current, past and future data such as radar, cloud, and pressure.Created and tested AWS CloudFormation templates for new load balancers, EC2 instances, and S3 buckets.	
Bentley Systems Inc.	09/2017 - 12/2017
<i>Software Developer, Intern</i>	<i>Burlington, ON, CA</i>
<ul style="list-style-type: none">Collaborated with an international team using an agile development method deploying upgrades to a customization system, reducing future workloads.	
Bank of Montreal Capital Markets	01/2017 - 04/2017
<i>Software Developer, Intern</i>	<i>Toronto, ON, CA</i>
<ul style="list-style-type: none">Enhanced a web-toolkit for equity visualization using AngularJs by implementing modern features (e.g. exporting auto-generated pdf's, creating friendly UI, more filter options) as well as identifying and fixing bugs.Developed a mobile friendly web view of the big data visualization website for phones and tablets.	
Evertz Microsystems Ltd.	09/2015 - 12/2015 and 05/2016 - 08/2016
<i>Software Developer, Intern</i>	<i>Burlington, ON, CA</i>
<ul style="list-style-type: none">Developed proof of concept home automation software interfacing with third party devices and APIs in PythonCreated automated regression tests in Selenium to reduce manual testing for Magnum products.	

EDUCATION

University of Waterloo	09/2014 - 08/2019
Bachelor of Computer Science, Co-op	Waterloo, Ontario, Canada
Notable Courses: Concurrent and Parallel Programming, Software Design and Architecture, Intro to Machine Learning, Computer Networks, Object Oriented Programming	

PROJECTS

Perfect Pitch: Accurately Practice	2019
<ul style="list-style-type: none">Created music learning app for Android in Java (Team project, developer).Developed features to track feedback for users: users can sing to their device in multiple modes (e.g. single note, song) and receive feedback on correctness of their pitch.Designed app using Software Design and Architecture principles, such as MVC Architecture, Pipe and Filter Pattern, Factory Pattern, and Observer Pattern.	
Portfolio Website, mutemallard.ca	2019
<ul style="list-style-type: none">Created personal website using JS/ ReactJs, Redux and hosted on GCP (Solo project).Features "Music Master" project which uses the Spotify API and integrates individual React components to generate 30-second previews of Spotify artists' music.Features "Even or Odds" game project which uses react-redux.Game rank fetching through custom API.	