

# Jackie Liu

Website: [jackieanj.github.io](http://jackieanj.github.io)

Email: [jackie.anj.liu@gmail.com](mailto:jackie.anj.liu@gmail.com)

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## RELEVANT SKILLS

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|-----------------------------|---|
| <b>Programming</b>          | <ul style="list-style-type: none"><li>• Proficient in Object Oriented Programming, with a good understanding of common data structures and algorithms</li><li>• Experience using a variety of programming principles and design patterns</li><li>• Familiar with popular DBMS such as MS SQL Server and MongoDB</li><li>• Completed independent and group projects in Python, Java, and C</li></ul> |
| <b>Software Development</b> | <ul style="list-style-type: none"><li>• Knowledgeable about the Software Development Life Cycles and the Agile Method</li><li>• Good teamwork, communication, and presentation skills with experience facilitating sprint planings as the scrum master</li><li>• Comfortable using Git, as well as creating/reviewing pull requests on large scale projects</li></ul>                               |

## RELEVANT EXPERIENCE

<b>JANA Technology</b>	<b>May 6 2019 - Aug 21 2020</b>
<b>Junior Software Developer</b>	

- *Project Spotlight* (ASP.NET MVC, HTML, CSS, JS, MS SQL Server)
  - Full Stack development for an n-tier web application surrounding pipeline risk calculation
  - Updated the UI, interactivity, and responsiveness of the website
  - Improved performance, and added numerous features in the backend
  - Helped create a sales build of the webapp to be showcased to potential clients
- *Project Lantern* (React, Redux, HTML, SCSS, ArcGIS JavaScript API)
  - Front end development for a leak surveying tool
  - Completely rebuilt the UI from the ground up using React/Redux
  - Created map components with standard map tools and spatial querying feature

<b>University of Toronto</b>	<b>Jan 11 2021 - April 2021</b>
<b>Teaching Assistant for CSCD01 - Engineering Large Software Systems</b>	

- Prepared and presented course material to a class of 90+ students
- Conducted interviews and provided feedback to various group projects

## EDUCATION

<b>Department of Computer Science, University of Toronto St.George</b>	<b>Class of 2021</b>
<b>Bachelor of Science - Specialist in Computer Science</b>	

- cGPA: 3.5
- 4.0 GPA in CSC301 (Software Engineering), CSC343 (Databases), and CSC384 (Intro to AI)

<b>Agincourt Collegiate Institute</b>	<b>2012 - 2016</b>
<ul style="list-style-type: none"><li>• Ontario Scholar, Dedication Award from the Athletic Council</li></ul>	

## PROJECTS

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|--|--|
| <b>Guardian<br/>(React, MongoDB, Python)</b>                         | <ul style="list-style-type: none"><li>• User Behaviour Analytics tool that utilizes the Los Alamos dataset to conduct heuristics based anomaly detection</li><li>• Designed and implemented the frontend including a dynamic dashboard and user profiles</li></ul> |
| <b>Real-Time Weather Map<br/>(HTML, JavaScript, ArcGIS)</b>          | <ul style="list-style-type: none"><li>• Data visualization of various weather information such as temperature, humidity, and wind speed, displayed on an interactive map of Canada.</li><li>• Data is provided by Environment Canada and updated hourly</li></ul>  |
| <b>Education For Employment<br/>Prototype mobile app<br/>(UX/UI)</b> | <ul style="list-style-type: none"><li>• Lead my team in the design and usability testing of a prototype mobile app to help new grads find jobs</li><li>• Reported the research results during an in class presentation</li></ul>                                   |