

Julia Zhang

📞 647-718-8393 | ✉️ jw7zhang@uwaterloo.ca | 🌐 jliaz | in julia-z | 🌐 jliaz.github.io

Skills

Languages	Java, Javascript/Typescript, C, C++, Scheme (Racket), Bash, SQL, Python
Frameworks/Libraries	AngularJS, Angular, VueJS, LESS, Java Swing
Applications	IntelliJ, Visual Studio Code, Sourcetree, TortoiseHg (Workbench)

Experience

Full Stack Web Developer

Waterloo, Canada

IMAGINE COMMUNICATIONS CORPORATION

May 2019 - August 2019

- Upgraded the test harness and messaging system of global navigation bar from **AngularJS** to **Vue.js**, improving code maintainability and reducing tech debt
- Re-engineered the interfaces of web app products using **AngularJS**, **LESS**, and **TypeScript**, resulting in a more intuitive and responsive user experience
- Implemented new features such as data input validation and file import options across existing web products
- Collaborated in continuous integration and **Agile** development using **SourceTree** / **Mercurial** for version control and **Jira** for task tracking

Chief Technology Officer

Remote Work

KIDS ARE SCIENTISTS TOO INC. (KAST)

June 2018 - Present

- Updated the official KAST website content through **WordPress** to maintain KAST's online presence
- Spearheaded the reconstruction of KAST's website from WordPress to newer technologies such as **Angular**
- Increased the impact of KAST in North America by recruiting and mentoring leaders from 4 high school branches located throughout Ontario and New York

Programming Project Lead

University of Waterloo, Canada

WATLOCK (UBC AIRLOCK CHALLENGE DESIGN TEAM)

January 2019 - May 2019

- Redesigned pages of WatLock website (watlock.co) using **HTML/CSS** and **JavaScript** to improve user experience and team communication
- Led programming team by setting goals, teaching team members **GitHub** basics, and communicating progress to other WatLock leaders

Projects

Montana Steele Staff Directory

HTML & CSS, JavaScript

PRIVATE REPOSITORY

- Built a staff directory website, improving data accessibility within the company of over 40 employees
- Constructed a dynamic search table with sorting and searching functions using **Papa Parse** and the **DataTables JQuery** plug-in
- Designed a responsive user interface that coheres to the company's branding

Geometris Arcade Shooter Game

Java

GITHUB.COM/P23HE/GEOMETRIS

- Developed a vertically scrolling arcade shooter game using **Java Swing** and **OOP principles**
- Implemented several design components such as the menu, entity vectors, and animations
- Organized and refactored code written by teammates to assemble the final product

Personal Website

TypeScript, Vue.js, LESS

GITHUB.COM/JLIAZ/PERSONAL-SITE

- Developed portfolio website from scratch using **Vue CLI**
- Created reusable, **class-based Vue components** for displaying programming/art projects

Mock Grocery Delivery Website

HTML & CSS, JavaScript

GITHUB.COM/JLIAZ/GROCERY-DELIVERY-SITE

- Collaboratively built a user-friendly grocery shopping website inspired by *grocerygateway.com*
- Assembled design aspects (such as colour themes and animations) using **CSS** and **JavaScript** to enhance the overall look and feel of site
- Implemented shopping cart functions such as adding/deleting items using **JavaScript**

Education

University of Waterloo

Waterloo, ON

BACHELOR OF COMPUTER SCIENCE, CO-OP

2018 - 2023