

# Ryun Kim

mechatronics engineering

## experience

### QA & Software Tester – Maplesoft

Sept. 2019 – Present

Developed 50+ unit and end-to-end tests using JS frameworks – Stencil, Jest, and Puppeteer – to debug custom web components

Discovered novel bugs by completing review cycle for each component and used version control software called Perforce to submit test files

### UI Designer & Controls Programming Assistant – HTS Engineering

Jan. 2019 – Apr. 2019

Produced project-specific UI for HVAC operators from engineered shop drawings, programming datasets, and AutoCAD floor plans

Programmed direct digital control systems based on custom sequences of operation using plug-in stencils on Visio

## projects

### YelpCamp

Oct. 2019 – Present

Developing a dynamic, web-based application where users can review campsites and interact with other users through comment threads using HTML, CSS, Bootstrap, Node.js, Express, MongoDB, and Git

### Meeting Minutes – Hack the North

Sept. 2019

Developed a meeting minutes taker that listens to and summarizes a meeting using a Google Home Mini and VoiceFlow API for speech-to-text, Python for summarizing, Firebase API for backend, and React for UI

### Personal Website – ryunkim00.github.io

Apr. 2019

Developed a personal website using HTML, CSS, and JS

## contact

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## skills

### languages

C++  
JavaScript/TypeScript  
HTML/CSS

### tools/frameworks

Node.js  
Express  
Bootstrap  
Stencil  
Jest  
Puppeteer  
Git  
Visual Studio

## education

### University of Waterloo

Mechatronics  
Engineering  
Sept. 2018 – Present

### Relevant Courses

Algorithms and Data  
Structures, Digital  
Computation

## interests

A cappella singing, piano,  
guitar, arranging music,  
exercising, taekwondo,  
literature