

RYUN KIM

2B Mechatronics Engineering Student & Aspiring SWE
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Languages: JavaScript/TypeScript, Java, C++

Tools: React, Bootstrap, Node.js, Express, MongoDB, Git, VS Code, Jira/Confluence

PROFESSIONAL EXPERIENCE

SS&C | Toronto, ON, CA 3 mos | May 2020 – Present

Full Stack Developer (Intern)

- Developed automated test scripts in Java using the BDD framework Cucumber and Gherkin for various client-facing pages on Sub-accounting UI (SUI)
- Researched and integrated SonarQube scans into the build pipeline to detect and address hundreds of major Java code smells in the SUI code base hosted on GitLab

Maplesoft | Waterloo, ON, CAN 4 mos | Sept 2019 – Dec 2019

QA & Software Tester (Intern)

- Developed 50+ unit and end-to-end automated tests using the JS testing framework Jest and Puppeteer to debug custom web components built in Stencil
- Discovered and prevented numerous bugs from entering production as a result of these tests which underwent review cycles and were submitted on Perforce (VCS)

HTS Engineering | Toronto, ON, CAN 4 mos | Jan 2019 – Apr 2019

UI Designer & Controls Programming Assistant (Intern)

- Produced project-specific UI for HVAC operators from engineered shop drawings, programming datasets, and AutoCAD floor plans, which were converted into 3-D models using SketchUp
- Programmed direct digital control systems based on custom sequences of operation using plugin-in stencils on Visio and performed field testing

PROJECTS

YelpCamp | Individual Oct 2019 – Dec. 2019

- Developed a dynamic, RESTful web application for users to review campsites with user authentication/authorization and comment features using Bootstrap, Node.js, Express, MongoDB Atlas, Git, a cloud-based IDE called Goorm, and Heroku for deployment

Meeting Minutes | Hack the North (Hackathon) Sept 2019

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

Personal Website | Individual Apr 2019

- Developed a personal website using Bootstrap and jQuery hosted on GitHub:
ryunkim00.github.io

EDUCATION

University of Waterloo | Waterloo, ON, CA Sept 2018 – Present

Degree: Bachelor of Applied Science (BAS) Candidate, Mechatronics Engineering. GPA: 4.0

Interests: A Cappella, Singing, Guitar, Piano, Web Development