ubc science co-op
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Riley Knowles

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TECHNICAL SKILLS

Languages: Java, C, C++, LaTeX, JavaFX, JavaScript*, HTML 5*, CSS*, R*

Software: IntelliJ, Visual Studio Code, Overleaf, WebStorm, RStudio **currently learning*

PROJECTS

Personal Website *(Personal)* Aug 2019 - Present
- Planned and coded a multipage personal website that includes a linked pdf, Font Awesome icons linking different websites, and a unique, self-developed design: **https://knowriley.github.io/index.html**
- *Technologies:* HTML 5, CSS, Visual Studio Code

Local Produce Calendar *(Hackathon)* Apr 2019
- Designed and built a React.js app that provides the produce in season for a particular month and city as part of a four-member team at Girls in Tech: Hacking for Humanity
- Implemented an app router to include multiple pages with differing functionality, including a dropdown menu created with React Bootstrap with no prior experience in the listed technologies
- *Technologies:* JavaScript, HTML 5, CSS, React.js, Node.js, WebStorm

Multithreaded Assignment Solutions *(Academic)* Mar 2019
- Implemented multithreaded solutions in C to both The Smoker's Problem and The Lilliputian Endianness Well Problem by utilizing mutexes and conditionals from the uthread library provided by my course
- *Technologies:* C, Visual Studio Code

Sustainability Tracker *(Academic)* Sep 2018 – Dec 2018
- Built an object-oriented desktop application where users earn points and set goals based on sustainable activities they complete daily
- Utilized subclassing to produce an intuitive design, implemented exception catching/handling to increase program robustness, and systematically tested the program using the JUnit testing framework
- *Technologies:* Java, JUnit, 5 JavaFX, IntelliJ

WORK EXPERIENCE

Undergraduate Teaching Assistant May 2019 – Jun 2019
The University of British Columbia, Vancouver, BC Sep 2018 – Dec 2018
- Facilitated labs and graded weekly assignments consisting of functions operating on binary/arbitrary-arity trees, self/mutual recursion, and graphs for the prerequisite course to the computer science degree at UBC

Trade Show Sales Associate Jul 2018 – Aug 2018
Hot Skwash, Tigard, OR, USA Jul 2017
- Learned product line and pricing one week prior to AmericasMart Atlanta (largest wholesale gift show in the United States) and engaged effectively with customers to personally write thousands of dollars in sales

EDUCATION

The University of British Columbia Expected Graduation May 2022
Bachelor of Science – Computer Science, 3rd Year