WEIKE SHI

Ottawa, ON | (365)888-3730 | [Email](#) | [Portfolio Website](#) | [LinkedIn](#) | [GitHub](#)

SKILLS

- Agile Software Development
- Web/Front-End Development
- JavaScript/Typescript, HTML, CSS
- React.js, Next.js, Node.js
- Redux.js

- Apollo GraphQL
- Firebase
- OOP
- Design Patterns
- Git/Gerrit

- Fast Learning
- Personal Motivation
- Time Management
- Teamwork
- Research and Analytical Skills

- Communication
- Problem-solving
- Attending to detail
- Multitasking
- Critical thinking

WORK EXPERIENCE

BASEBAND SOFTWARE DEVELOPER

Ericsson Canada Inc.   Ottawa, ON. MAY 2021 – PRESENT

- Work on implementing 4CC Carrier Aggregation for Ericsson's latest 5G feature
- Analyze and solve TRs, and share tool knowledge with colleagues to increase efficiency by 50%
- Collaborate with senior developers to accomplish a performance task to save the memory of a thread
- Re-create an onboarding certification module to help future new employees understand the software architecture
- Re-write existing test cases with a new framework to increase code maintainability
- Take various courses to enhance knowledge in 5G and a CENX network topology discovery AI/ML course project
- Practice Agile software development, product deploying process, and cycle
- Gain transferrable skills such as critical thinking, problem-solving, and ability to learn fast; as well as team-working and interpersonal skills.

5G VERIFICATION AND SOFTWARE DEVELOPMENT INTERN

Ericsson Canada Inc.   Ottawa ON. AUG 2019 – DEC 2020

- Developed a tool using Java - BeamTracker - to verify the 5G/LTE signal's angle of arrival
- Contributed to a Machine Learning Project to auto-generate verdicts for test automation
- Tested Qualcomm's latest UE and Ericsson FDD AAS, and improved troubleshooting skills
- Worked well independently and on a team to solve problems.

UNDERGRAD TEACHING ASSISTANT

McMaster University   Hamilton, ON. SEP 2018 – DEC 2018

- Physics Course Teaching Assistant
- Strengthened communication and presentation skills, and developed a responsible and earnest personality

PROJECTS (More on the [Portfolio Website](#))

F1 STICKER E-COMMERCE STORE ([Pitstop](#))

- Created an E-Commerce website from scratch that sells F1 stickers
- Used React.js, Next.js, Tailwind CSS, Google Firebase (Database and Authentication), Stripe, Jest, React Testing Library, and Cypress
- Gained extensive experience in the latest web development and testing
- Motivated to be a self-starter to learn new topics, eager and curious to learn more about web development

LEADERSHIP

BACK STACK HEALTH TRACKING WEBSITE ([Back Stack](#))

- Coordinated a group of 4 developers to work on a full-stack web application to track users sitting posture using an Arduino nano, display real-time position angles, and visualize history data trend
- Organized weekly meetings to discuss and overcome difficulties encountered, and finished the project in 4 months

EDUCATION

ELECTRICAL ENGINEERING BACHELOR'S DEGREE

McMaster University   Hamilton, ON. SEP 2016 – APR 2021

- Cumulative GPA average: 4.0 / 4.0
- Awards: Dean's Honour List, McMaster-Hong Kong International Scholarship, University (Senate) Scholarship