

JOONSOO KIM

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EDUCATION

2016 – Present **Bachelor of Applied Science Candidate**, Computer Engineering with Professional Experience, Queen's University, Kingston, ON

EXPERIENCE

- Oct 2020 – Present** **Full Stack Developer**, Checkmate, Toronto, ON, <https://bluechip-checkmate.netlify.app/>
- Assigned as a lead web developer of prototyping a global stock exchange information service application using ReactJS, GraphQL, Prisma, Apollo, React Native, and Heroku.
 - Developed functionalities such as authentication, like/unlike a photo, comment, search by user, search by location, see user profile, follow/unfollow user, and show the feed.
 - Integrated web service into iOS and Android application using Expo and React Native.
- May 2019 – May 2020** **Computers and Control Design Engineer (PEY)**, Ontario Power Generation, Pickering, ON
- Investigated and analyzed critical errors on the Shut Down System by programming C++ and Shell scripts to replicate errors occurred at the plant site. Reduced 6 months investigation period to 2 weeks by use of scripts.
 - Constructed and redesigned the hardware configuration of the Validation Test Rigs computer to emulate and monitor field within 4 months period. The VTR hosts software which is used to create and verify different field scenarios through use of the VTR hardware.
 - Created a software application that replicates the field data and sends it to computers in the lab for testing purposes using LabView, C#, and .NET.
- June – August 2018** **Web Developer**, Diversability Development Organization, Brampton, ON
- Designed a website using software programs such as HTML, CSS, JavaScript, WordPress, PHP, and Python to ensure website compliance with accessibility standards.
 - Optimized the server traffic, ecommerce, image sizes, and email transfer to make the overall loading time 10% faster.

PROJECTS

- 2019** **Movie App Website**, <https://16jk1.github.io/movie-app/>
- Utilized ReactJS, NodeJS, GraphQL, Apollo, and Axios to create a Movie App website that automatically lists the most popular movies downloaded in order.
 - Familiarized the most recent full-stack web development tools within 4 months of practicing through creating several projects.
- 2019** **Heartbeat Sensor VR Game**, Queen's University, Kingston, ON
- Developed an exercise game in Unity for the Google Daydream VR headset utilizing a heart rate monitor and an Arduino Uno.
 - Implemented a serial port library into Unity such that pulse sensor readings can be read.

SKILLS

- Proficient in Java, Python3, C++, C, C#, .NET, Machine Learning, Machine Vision, ReactJS, GraphQL, TypeScript, MongoDB, Express, PHP, Android Studio, Arduino, Linux, and MySQL.