

Sean Kim

 SeanKimCC |  SeanKimUW |  sswkim@uwaterloo.ca

EXPERIENCE

Condos.ca | FULL STACK DEVELOPER

Jan 2021 – Apr 2021 | Toronto, Canada

- Re-implemented national real estate market statistics generator processing 5,000,000+ listings using MySQL and PHP Laravel reducing computation time by 94%
- Optimized MySQL database queries and introduced optimized database indexes to reduce latency by 30% on average for frequently used API endpoints
- Built pages for real estate agents to view and manage property listings using ReactJS and PHP Laravel
- Created a web dashboard containing an interactive map for company hackathon to provide data for affordable housing policies using census data from Statistics Canada placing 2nd out of 10 teams

Cyclica Inc. | SOFTWARE DEVELOPER

May 2020 – Aug 2020 | Toronto, Canada

- Implemented a physicochemical properties filter using Django, ReactJS and Redux for end-clients to specify multiple desired properties and values, and efficiently filter through 100,000+ molecules
- Developed a Python loader to populate data from external sources such as BindingDB and DisGeNET to PostgreSQL database when version update is detected
- Developed search bar using ReactJS and Django to allow end-clients to search by SMILES and compound substructures

Defense Security Agency | INTELLIGENCE ANALYST

Mar 2018 – Nov 2019 | U.S. Army Garrison Humphreys, South Korea

- Developed tools in Python to automate routine tasks reducing the number of required agents in the mission center

YuJa | SOFTWARE DEVELOPER

Jan 2017 – Apr 2017 | Toronto, Canada

- Implemented video upload and search bar using ReactJS and Java that reached 10,000+ students in North America
- Built front-end folder structure allowing students to better navigate, organize and view lectures on the platform

ICF Next | JUNIOR DEVELOPER

May 2016 – Aug 2016 | Toronto, Canada

- Collaborated with UX designers to implement new features throughout the site using HTML and JavaScript

PROJECTS

MenNal Hairbook

Sept 2020 – Apr 2021

- Developed men's hairstyle guide website using ReactJS, Django and Amazon S3 that allows users to filter through popular hairstyles by recommended face shape, hair type and other features
- Collaborated with an illustrator to recreate popular hairstyles in a standardized fashion

LIFO

Jun 2019 – Dec 2019

- Built an app using React Native to provide wait-lists and allow users to line up remotely for popular restaurants
- Won \$2,000 as a team of 5 members from Military Startup Challenge held by the South Korea Department of Defense

Goondae

Jan 2019 – Jun 2019

- Built a multi-purpose website for South Korean soldiers with 5,000+ monthly visits using ReactJS and Express.js providing expected salary accumulation, promotion dates, meal schedules and more

EDUCATION

University of Waterloo | B.A.Sc. IN COMPUTER ENGINEERING

3.33 GPA | Expected Apr 2022 | Waterloo, Canada