Sean Kim

https://github.com/SeanKimCC/

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EXPERIENCE

- **Condos.ca** — Toronto, ON
  Full Stack Developer — *Jan 2021 - Apr 2021*
    - Re-implemented national real estate market statistics generator processing 5,000,000+ listings using PHP and MySQL reducing computation time by 94%
    - Developed Naive Bayes classifier model to predict property types of real estate listings with incomplete data using square footage, listing price and other features
    - Built pages for real estate agents to view and manage property listings using ReactJS and PHP Laravel
    - Created 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.** — Toronto, ON
  Software Developer — *May 2020 - Aug 2020*
    - Implemented 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 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 searching by SMILES and substructures

- **Republic of Korea Army** — U.S. Army Garrison Humphreys, South Korea
  Intelligence Analyst — *Mar 2018 - Nov 2019*
    - Developed Audio Spectrum Analyzer using Python to differentiate and categorize audio signals eliminating noise and reducing response time
    - Created Python scripts to automatize documentation of processed audio signals allowing agents to reallocate 15-minute documentation time on shift transition

- **YuJa** — Toronto, ON
  Software Developer — *Jan 2017 - Apr 2017*
    - Implemented video upload and search bar using ReactJS and Java that reached 20,000+ students in more than 20 universities in North America
    - Built interface allowing students to better navigate and organize videos and images in folder structure that played a key part in closing a deal with University of Ottawa

- **ICF Next** — Toronto, ON
  Junior Developer — *May 2016 - Aug 2016*
    - Developed and maintained features for Boston Pizza and OLG using HTML, JavaScript and WordPress

PROJECTS

- **MenNal Hairbook**
    - Developed 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

- **High Hermit**
    - Developing website using ReactJS, Django and Scrapy to track products from high-end retailers and extract site with the best prices

- **LIFO**
    - Built mobile app using React Native to provide wait-lists and allow users to line up remotely for popular restaurants winning $2,000 as a team of 5 from Military Startup Challenge held by the South Korean Department of Defense

EDUCATION

- **University of Waterloo** — Waterloo, ON
  B.A.Sc. in Computer Engineering - cGPA: 3.38 — *Sep. 2015 – Jun. 2022*