

David Kang

A.K.A. SEUNG GYU KANG | 3A SOFTWARE ENGINEERING

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Skills

Languages JavaScript (ES6/TypeScript), Python, C++, Java, Ruby, Kotlin
Libraries/Tools React, Redux, Ruby on Rails, Django, Node, Express, Webpack, Git, Docker

Experience

ConsenSys – Sobol Spoke Full Stack Software Developer Intern Waterloo, ON Sep 2018 – Dec 2018

- Containerized and set up migration framework for development/production environments with **Docker**
- Updated common operation layer in **Node/Express** for data objects stored in a hybrid **MongoDB/Neo4j** store
- Implemented complex interactions as part of a navigation redesign using **React/Redux**
- Added permission layer and optimized delta-based logging for different read/write data operation types

StackAdapt Full Stack Developer Intern Toronto, ON Jan 2018 – Apr 2018

- Implemented complex UI with **React/Redux** and **amCharts** for data visualization for major product update
- Updated many parts of application's API on **Ruby on Rails** as part of major version upgrade efforts
- Optimized and fixed several operations, reducing load times on some pages from ~1.5 minutes to ~10 seconds

Genesys Front End Engineering Intern Markham, ON May 2017 – Aug 2017

- Designed and implemented significant part of new in-house component library in **React/TypeScript**
- Formulated and added accessibility features for **Java** web application working with **Google Web Toolkit**
- Implemented automated test suite for accessibility features using **Selenium** and **JBehave**

Projects

That One Big Story HackMIT

- Built a web application/platform for users to create branches off of each others' stories/chapters
- Written in **AngularJS** and **Firebase** to manage story structures and user data/authentication
- Currently refactoring/updating in **React** and **Django** with **PostgreSQL** as a personal project

Awards

2017 **Waterloo Engineering Competition, Programming Division** 2nd Place

2015 – 2017 **CEMC Awards** Euclid Math Contest Top 1%, CIMC 1st Place, Harvard/MIT Math Tournament Top 3%

Activities

UW A Cappella Music Director of The Water Boys, International Championship of Collegiate A Cappella Finalists

Hack the North Event and Front-End Developer Volunteer

Education

University of Waterloo 2016 – 2021 (Expected)

Candidate for Bachelor of Software Engineering | Carl A. Pollock Engineering & President's Scholarship