

David Kang

A.K.A. SEUNG GYU KANG | 2B SOFTWARE ENGINEERING

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» SKILLS

LANGUAGES JavaScript (ES6/TypeScript), Java, Ruby, Python, C++, C#
LIBRARIES/Frameworks React, Redux, Ruby on Rails, Django, JQuery, Google Web Toolkit, Selenium
PLATFORMS/TOOLS Webpack, Git, MySQL, Firebase, Unity

» EXPERIENCE

StackAdapt Full Stack Developer Intern TORONTO, ON Jan 2018 - Apr 2018

- Created and updated complex data-driven UI written in **React** using **Redux** and **Axios** for middle-end
- Worked on major rewrite of the web platform under tight deadlines and specifications
- Added and updated many parts of RESTful API on **Ruby on Rails** backend as part of the upgrading efforts from V2 to V3
- Optimized and fixed several query issues, reducing load times on certain pages from ~2 minutes to ~10 seconds

Genesys Laboratories Inc. Front End Engineering Intern MARKHAM, ON May 2017 - Aug 2017

- Designed and implemented significant part of new in-house component library using **React** and **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**
- Communicated effectively with international team members and managers across 4 time zones

» PROJECTS

That One Big Story HackMIT 2017

- A crowdsourced choose-your-own-adventure story where users can continue the story for each section's choices
- Written in **AngularJS** for front-end and **Firebase** to manage story and user data/authentication
- Later rewritten in **React** for front-end and **Django** with **PostgreSQL** for API implementation as personal project

Inverzion Personal Project

- Fast-paced platformer game where the player must invert colors based on the environment to survive
- Written in **Java** using the **LibGDX** framework, currently refactoring in **C#** with **Unity**

Bepple Course Final Project

- Suite of multiple "applications" showcasing the various sensors/IO of the Tiva C Launchpad + Orbit Booster Pack
- Rewrote native low-level bitmap rendering behavior and accelerometer interpretation in **C/C++** (**Arduino** fork)

» AWARDS

2nd Place @ Waterloo Engineering Competition, Programming Division 2017

Various CEMC Awards 2015 - 2017

- Euclid Math Contest Top 1%, Canadian Intermediate Math Contest 1st Place, Harvard/MIT Math Tournament Top 3%

» ACTIVITIES

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

» EDUCATION

University of Waterloo 2016 - Present

Candidate for Bachelor of Software Engineering, Class of 2021 | Carl A. Pollock Engineering & President's Scholarship