

Daniel Kwon

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<https://github.com/danielkwonwu>

EDUCATION

Washington University in St. Louis

Master's in Computer Science

EXPECTED MAY 2021

Bachelor's in Computer Science and
Political Science

MAY 2020

3.65/4.0 GPA

Relevant Courses

- Object-Oriented Software Design Laboratory
- Cloud Computing with Big Data Applications
- Rapid Prototype Development & Creative Programming
- Mobile Application Development

ACTIVITIES

Health Equity Hackathon:

Social Determinants

Participant

ST. LOUIS, MO • SEPT. 2019

- Organized an automatic solution using Java, Python, and AWS Cloud to crawl data points of 300+ local medical facilities, addressing social barriers to healthcare access.

Spirit of Korea, PL4Y Dance

K-Pop Performance Coordinator, Dancer

ST. LOUIS, MO • JULY 2014 – MAY 2020

SKILLS

Programming Languages

Java	JavaScript	Node.js
Kotlin	Python	PHP
C++	C#	

Tools

React	Express	MySQL
Unity	Hadoop	Spark
jQuery	Git	
AWS (EC2, S3, EMR)		

Languages

English
Korean (fluent)

EXPERIENCE

Dept. of Computer Science, Washington University in St. Louis

Course Developer - Programming Systems and Languages

ST. LOUIS, MO • JUNE 2020 – PRESENT | (<https://github.com/danielkwonwu/testcase-share>)

Supervisor: Dr. Dennis Cosgrove

- Engineer web platform for students to share custom test cases illustrating approaches to assignment.
- Construct interactive user front-end using React and SCSS and efficient backend with Express and MySQL database.

Head Teaching Assistant - Intro to Parallel Programming

ST. LOUIS, MO • JAN. 2020 – MAY 2020

- Held 2 weekly office hours for students on concepts of parallel programming and concurrent data structures.
- Led assignment grading for 40+ students with individualized feedback.

Office of Public Affairs, Washington University in St. Louis

Web Development Intern

ST. LOUIS, MO • JUNE 2019 – JAN. 2020

- Executed development of a WordPress plugin functioning as user data transmitter to CRM across 1200+ school websites to maintain an accurate user database. (PHP & JavaScript)
- Fulfilled tickets such as implementing functions to manage Google Analytics tags, creating random display headline in Wordpress themes through PHP, and debugging obsolete InfiniteScroll features.

United States Army

KATUSA Sergeant, NCOIC, Department of Anesthesia, 121 CSH,
65th Medical Brigade

SEOUL, SOUTH KOREA • SEPT. 2015 – JUNE 2017

- Translated communication between the US military and the local Korean organizations in joint operations such as UFG and Foal Eagle.
- Initiated patient healthcare procedures and maintained anesthesia operations held in four operating rooms.

PROJECTS

GULP

Food Review Website with Geolocation Functionalities

DEC 2019 | (<https://github.com/danielkwonwu/gulp>)

- Created a menu-centered restaurant review website using React for front-end and Express for server-side, integrating Google Cloud Platform's Geolocation API and Static Map API to identify restaurants near user.

My Treasure No Touchy!

Tower-Defense Game produced with Unity and C#

DEC 2019 | (<http://danielkwon.net/portfolio/my-treasure-no-touchy.html>)

- Designed tower Prefabs with mouse-cursor tracking aim and interactive projectiles with basic physics engine.

k-Means Uber Recommendation

Recommendation for Uber Vehicles' Location with Big Data Analysis

NOV 2019 | (<https://github.com/danielkwonwu/k-means-uber-recommendation>)

- Analyzed 4.5 million data points from NYC's Uber pickup data (2014) with MapReduce algorithms using the AWS EMR clusters.