

# JEEHYAE DANCE

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## CONTACT

Jeehyae91@gmail.com

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## SKILLS

### TECHNICAL

#### DBMS

MySQL / PostgreSQL / Cassandra

#### LANGUAGES

JavaScript / HTML / CSS / C# /

Typescript

#### FRAMEWORKS

ReactJS / React Native / NodeJS /

Express / CSS Modules /

Styled Components / jQuery

#### TOOLS

Docker / AWS EC2

Bootstrap / Recharts / Nginx /

New Relic / Jest / Heroku / Netlify

### LANGUAGE

Korean (native)

English (fluent)

Japanese (beginner)

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## EDUCATION

### **HackReactor at Galvanize**

Advanced Software Engineering  
Immersive Program (2019)

### **FreeCodeCamp**

Responsive Web Design &  
JavaScript Algorithms and  
Data Structures (2019)

### **Northern Arizona University**

Bachelor of Science  
Hotel and Restaurant Mgt (2014)

## SOFTWARE ENGINEERING PROJECTS

### **FARKLE** Web Application

Family Friendly Real-time Dice Game

- Utilized websockets through **Socket.io** to achieve true real-time between players on different devices and browsers
- Created the front-end application using **ReactJS** and deployed on **Netlify**
- Developed the **REST API** using **ExpressJS** and **PostgreSQL** which are both hosted on **Heroku**

### **CLIMBING DAY** Web Application & Mobile Application

Rock Climbing Journal and Analytics (<https://climbingday.com>)

- Implemented full stack authentication using client-side browser cookies to store session and **bcrypt** to hash passwords and store them securely in **PostgreSQL**
- Visualized user's rock climbing careers in beautifully generated graphs and charts using the **Recharts** library
- Developed a versatile backend using **ExpressJS** that can handle and route data to both the web application and mobile application
- Built an iOS and Android companion mobile application using **React Native** so users can log climbs at the gym

### **JAST DANCE** Web Application

Music Streaming Application

- Optimized **PostgreSQL** to increase data retrieval time of 10 million records by 1000% - from 50,000ms to 42ms
- Added stress-testing via thousands of concurrent requests to simulate production level traffic using **Loader.io**
- Used **K6** and **New Relic** to test and analyze response times of our API which allowed us to horizontally scale
- Containerized entire application to run in an **AWS EC2** instance using **Docker**

## PROFESSIONAL EXPERIENCE

### **KOREAN PRIVATE TUTOR** Self Employed | Chicago, IL | 2018 – 2019

- Led private/group lessons to almost 20 students on the Korean language while maintaining a 5-star review

### **ADMISSION COORDINATOR** Western Governors University | Phoenix, AZ | 2017 – 2018

- Communicated with hundreds of applicants throughout the application process and maintained an average of 12 student enrollments every month

### **INTERNATIONAL AFFAIRS COORDINATOR** Ajou University | Suwon, S.Korea | 2016 – 2017

- Conducted all phases of administrative work for Ajou International Summer School 2016 (recruited 70 students, designed program format, arranged cultural activities)