Wookeun Song

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Full Stack Web Developer with experience in both SQL and NoSQL databases using Ruby on Rails and MERN (Mongo, Express, React, and Node) Stack frameworks. Participated in the world's largest robotics competition as the lead programmer in a team giving me considerable experience with solving real life problems with code. Hosted Nao robot fashion show at Barnes & Noble proved my specialty in bringing fresh ideas to the table while having fun with teammates. I enjoy tech and love traveling around the world to find the best rocks to climb on.

TECHNICAL SKILLS

Programming Languages: JavaScript, Ruby, HTML, CSS, SQL   **Databases**: MongoDB, PostgreSQL
Back End: Node.js, Express.js, Ruby on Rails   **Front End**: React.js, Bootstrap

PROJECTS

DareMe - App | Repo: Back end, Front end   Dec. 2019 - Present
A social media platform where users dare each other to challenges for profit
- Developed a multi-layer relational data system on MERN Stack to handle state changes of the postings
- Utilized JSON Web Tokens to store encrypted user information from the client-side to the cloud
- Organized time dependent job controls to handle data flow of user experience in status changes

Crime Stats - App | Repo   Nov. 2019
A graphical website that shows detailed crime data of each states from 1979 to present, separated by crime type
- Scraped FBI Crime Data API directly from *usa.gov* to provide users the most updated accurate data
- Developed front-end using Vanilla JavaScript for low level controls and solidifying fundamentals
- Ruby on Rails was used to make intuitive HTTP requests back and forth between front-end and back-end

Lotus - Portfolio   Dec. 2013 - Apr. 2014
A competition robot that can drive, catch, collect, and throw a yoga ball autonomously and tele-operationally
- Led the software team to successfully advance to the finals at the competition of over 100 teams
- Incorporated various sensors and driving modes to optimize consistent robotic controls developed in LabVIEW

WORK EXPERIENCE

Austin Bouldering Project – *USA Climbing certified Routesetter*; Austin, TX   Jul. 2017 - Sep. 2019
- Ensured route quality, style and grade distribution for 200+ problems at the largest bouldering gym in the US
- Incorporated unique routesetting features to the biggest annual bouldering competition in the North America that has $10K cash purse with 550+ participants ranging from youth to professional competitors

Austin Korean School – *Computer / Hardware Network Support Specialist*; Austin, TX   Aug. 2015 - Sep. 2019
- Resolved technical issues in classrooms of 200+ students to maintain a consistent learning experience
- Assisted event planners with media production attended by 1.5k visitors annually

UT at Austin Campus Computer Store – *Tech Advisor / Floor Salesman*; Austin, TX   Sep. 2014 - Feb. 2015
- Provided software and hardware support to university departments to ensure successful daily operations
- Assisted in sales consultation and post-sales technical support to improve customer satisfaction

EDUCATION

Flatiron School   Sep. 2019 - Jan. 2020
Immersive Software Engineering Course

The University of Texas at Austin   Aug. 2014 - Dec. 2017
Relevant coursework completed towards a Bachelor of Science degree in Computer Science:
Computer Organization and Architecture, Data Structure, Discrete Math for Computer Science, Calculus

ADDITIONAL INFORMATION

Competitive Rock Climbing: 2017 USA Climbing Collegiate National Championships 5th place
Languages: English *(fluent)*, Korean *(fluent)*, Spanish *(conversational)*
Work Eligibility: Eligible to work in the U.S with no restrictions
Interests: Rock Climbing, Coffee, Taekwondo *(4th Dan Black Belt)*, Song Writing, Guitar *(former leader for rock band "133")*