

MICHAEL BAEK

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WORK EXPERIENCE

SOFTWARE ENGINEER, CERNER CORPORATION - MALVERN, PA

AUG 2018 - PRESENT

- ❖ Working in an Agile environment to enhance and maintain the Soarian Clinicals Emergency Department application
- ❖ Responsible for developing UI solutions to optimize speed and client usability
 - Tuned our tracking board's refresh mechanism to refresh 1 second faster
- ❖ Determining how to keep our system reliable and intuitive while making enhancements by actively communicating with solution designers, analysts, and lead engineers
- ❖ Enforcing front-end code best practices by participating in code reviews 1-2 times a week
- ❖ Actively discussing memory leak issues once a week and solving them by working with team leads from different projects/modules to make sure that our system works as fast as possible

ASSISTANT MASTER, SKY MARTIAL ARTS - WAYNE, PA

AUG 2019 - PRESENT

- ❖ Helping students of all ages (4-18+) develop their Taekwondo skills through in class and personal training sessions
- ❖ Minimizing language barrier related communication issues between the headmaster and students/parents of the school by working closely with the headmaster to make sure that all discussions/emails are translated accurately

PROJECTS

SKY MARTIAL ARTS WEBSITE DEVELOPMENT

NOV 2020 - PRESENT

- ❖ Working with our headmaster and several students to design the website in a way that would be best suited for our students' needs
- ❖ Developing using Wordpress while using HTML+CSS+JS to further customize widgets and plugins
- ❖ Regularly communicating with our headmaster to make sure that our content is clean and concise yet robust

TAEKWONDO SCOREBOARD

JUNE 2018 - JULY 2018

- ❖ Used ReactJS and WebPack to create a Taekwondo scoreboard web application based on World Taekwondo's standards for competition scoring, including keeping track of the statistics behind all scorable actions in a match
- ❖ Utilized Git and Github Pages to deploy the web application to the internet as a static application

SKILLS

- ❖ Proficient in Java and JavaScript
- ❖ Familiar with C, C++, and Python programming
- ❖ Experienced with CMD/POWERSHELL/TERMINAL
- ❖ Memory Leak detection and mitigation
- ❖ Legacy code maintenance and optimization
- ❖ *Front-End:* JavaScript, JQuery, ReactJS, HTML + CSS
- ❖ *Back-End:* MS-SQL, Java (Spring)
- ❖ Effective leadership and communication skills
- ❖ Proficient with Microsoft Suite
- ❖ Fluent in English and Korea

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING, VILLANOVA UNIVERSITY

MAY 2018

- ❖ **Minor: Computer Science**
- ❖ GPA: 3.43/4.00, Dean's List (5 of 8 semesters)

VOLUNTEERING / ASSOCIATIONS

MASTER (4TH DEGREE BLACK BELT), SKY MARTIAL ARTS OF WAYNE PA

JULY 2019 - PRESENT

ASSISTANT COACH, VILLANOVA CLUB TAEKWONDO

AUG 2018 - PRESENT

COMMITTEE MEMBER, EASTERN COLLEGIATE TAEKWONDO CONFERENCE

MAY 2018 - PRESENT

COLLEGE MINISTRY ASSISTANT, RENEWAL PRESBYTERIAN CHURCH OF THE MAIN LINE

AUG 2015 - PRESENT