

David B. Josephs

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EDUCATION:

- M.S. Data Analytics, *Clarkson University*, Potsdam, NY Aug. 2017 - Aug. 2018
- Developed skills to manage and analyze large databases in a variety of formats.
- B.S. Computer Science, *Clarkson University*, Potsdam, NY Aug. 2013 - May 2017
- Minor in Mathematics and Environmental Policy.
- The Clarkson School at Clarkson University*, Potsdam, NY Aug. 2013 - May 2014
- College bridge year for academically advanced high school seniors.

RESEARCH & SIGNIFICANT PROJECTS:

- Assistant Researcher, *Physical Therapy Lab*, Clarkson University Nov. 2014 - Present
- Data entry, cleaning, analysis, and technical reports for funded research projects .
 - Developed copyrighted programs for the lab to use in their research.
- Clarkson University Adirondack Semester*, Saranac Lake, NY Spring 2016
- Group semester research project with six other people.
 - Developed communication and interpersonal skills for group work.
- Advanced Programming Concepts in Java*, Clarkson University Fall 2015
- Worked in a team of four to create an Android game.
 - Created the graphics interface for Hnefatafl a stratigic board game similar to Chess.

WORK EXPERIENCE:

- Jack of Trade Apps*, Potsdam, NY May 2016 - Mar. 2017
- Created multiplatform mobile applications in HTML and Javascript.
 - Utilized version control with multiple complex projects.
- Statistics Teaching Assistant*, Clarkson University, Potsdam, NY Sep. 2017 - May 2018
- Explained technically challenging concepts to students in clear comprehensible terms.
 - Evaluated homework, tests, and quizzes.
- Substitute Martial Art Instructor*, SUNY Potsdam, Potsdam, NY Feb. 2013 - May 2018
- Instructed classes in athletic, competative performance and artistic components of Martial Arts.
 - Evaluated performance and provided constructive feedback to increase class members proficiency.
- Self Defense Instructor*, SUNY Potsdam, Potsdam, NY Aug. 2017 - Dec. 2017

RELAVENT SKILLS:

- Computer Languages*, Python, C++, Java, CSS, HTML, Javascript, AngularJS
- Experienced at creating programs utilizing the concepts of object oriented programming.
- Data Analysis*, AWS, Linux, R, Tableau, SPSS, Excel, SQL, Hadoop, Matlab, Git, Docker
- Proficient with multiple tools for data analysis and presentation.

LEADERSHIP:

- Young Scholars Program*, Clarkson University, Potsdam, NY Summer 2013, 2014
- Supervised a group of 37 high school students during the week long program.
 - Completed a collaborative research effort that determined how a community could prepare for an emergency.
- Clarkson Project Challenge*, Emerging Leaders 101, Clarkson University, Potsdam, NY Winter 2012
- Assessed individual traits/qualities to determine leadership strengths and weaknesses.
 - Applied attributes in creating mission statements, along with short and long-term goals

ACHIEVEMENTS & ACTIVITIES:

- Best team poster Business Analytics Competition*, Manhattan College May 2017
- Dean's List*, Clarkson University Spring 2014, 2016, Fall 2015, 2016
- Second Degree Black Belt in Taekwondo*, Massena, NY Oct. 2013
- Outing Club*, Clarkson University Fall 2014 - Present
- Volunteer*, 46 Climbs for Suicide Prevention, Clarkson University Fall 2015, 2017
- Volunteer*, Forest Spirit Martial Arts, Potsdam, NY Jul. 2008 - May 2018