**ERICK SAENZ**

620-629-3517 | 436 Butterfield Rd., Manhattan KS 66502 | [erksters@ksu.edu](mailto:erksters@ksu.edu)

**EDUCATION**

Bachelor of Science in Computer Science 2017 – Exp-Grad 2020

**Kansas State University**, Manhattan, Ks

Associate of Science in Biology 2015 - 2017

**Seward County Community College**, Liberal, KS

**RESEARCH ASSISTANT**

**KSU Football Tackle Study** 2019 - Present

**With Dr. William Hsu and Dr. Scott Dietrich**

* Applied Motion Detection techniques to create contours and identify football players
* Measuring the technique of tackles for concussion prevention among youths

**Identifying Recipe Information with Natural Language Processing**  2018 - 2019

**With Dr. William Hsu and Lawrence Livermore National Laboratory**

* Developed algorithms for data creation, cleanup, and Named Entity Extraction
* Applied Bayesian machine learning for binary classification among text

**RELEVANT EXPERIENCE**

**Mobile Development – Dynamic Calculator on the Play Store** 2019

* Integrated Seismic Sense activity of phones
* Added long press activity to share expression history optimally

**FAMILIARIZED PROGRAMMING LANGUAGES**

Python Java C# C/C++ MATLAB HTML/CSS

**PRESENTATIONS**

**SACNAS in 4th Conference in Honolulu Hawaii** Poster Presentation 2019

**Developing Scholars Program 19th annual symposium at K-State** Poster Presentation 2019

**MOKANNE McNair Heartland Research Conference at Kansas City** Oral Presentation 2018

**Developing Scholars Program 18th annual symposium at K-State** Poster Presentation 2018

**REFERENCES**

Mentor: Dr. William Hsu <http://people.cs.ksu.edu/~bhsu/> [bhsu@ksu.edu](mailto:bhsu@ksu.edu) Office: 785-236-8247

McNair Program Manager: Cheryl Rauh [carauh@ksu.edu](mailto:carauh@ksu.edu) McNair Office: 785-532-6137