**ERICK SAENZ**

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**EDUCATION**

Bachelor of Science in Computer Science 2017 - Present

**Kansas State University**, Manhattan, Ks

Associate of Science in Biology 2015 - 2017

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

**RESEARCH**

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

**With Dr. William Hsu**

* Designed the research project
* Developed algorithms for data creation
* Annotated data sets
* Applied machine learning for binary classification

**Reducing Microbial Biofilms with Herbal Extracts** 2017 - 2018

**With Dr. Govind Vediyappan**

* Worked independently
* Prepared components of experiment (plates, cultures, broth, autoclave)
* Recorded spectrograph results
* Analyzed data in Microsoft Excel

**RELEVANT EXPERIENCE**

**Open Source Computer Vision Library (OpenCV)** 2019

* Created data sets of my cat, my friends and myself
* Used Cascade classifier to find coordinates of our faces
* Created a motion detector with a gaussian blur image threshold

**FAMILIARIZED PROGRAMMING LANGUAGES**

Python Java C/C++ MATLAB HTML/CSS

**PRESENTATIONS**

**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