

Dakota Willem Grusak

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EDUCATION	Trinity University , San Antonio, TX May 2019 B.S. in Engineering Science
EXPERIENCE	Department of Engineering Science , Trinity University, TX Aug 2016 – Dec 2018 Trinity University <ul style="list-style-type: none">Undergraduate Teaching Assistant<ul style="list-style-type: none">Assisted in teaching 3D parametric modeling to 100+ engineering students for the Engineering Design & Analysis courseInfluenced comprehension of parametric design fundamentals including modeling, drafting, and 2D documentation drawing Brain-Machine Interface Lab , Houston, TX May 2016 – Aug 2016 Dept. of Electrical and Computer Engineering — Univ. Houston Data Science Intern / Matlab Developer / NSF Research Fellow <ul style="list-style-type: none">Performed data analysis on signal data collected from five varying wireless EEG headsets from over 400 subjectCleaned and processed data using the EEGLAB and the Signal Processing MATLAB toolboxesApplied k-means clustering using the error types as attributes to assess the usability of each headset system
SKILLS	Languages: MATLAB, Python, C, SQL Libraries: Numpy, Keras, Tensorflow, Scikit-learn, Matplotlib Digital Device Design: DE0 Nano FPGA, VHDL, Arduino IDE (C/C++), Processing IDE (Java) Tools: LaTeX, HTML, Markdown Language Ability — Fluent in both oral and written English Strong Matlab/Python and general software development skills Demonstrated knowledge to perform innovative and applied research Excellent organizational and communication skills (esp. the ability to explain complex ideas in simple, non-technical language) Experience with data visualization, interpretability, and exploratory analysis

[CV compiled on 2019-09-18 for Acme Corporation]