Justin Johnson Saluja

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Education

University of Florida, *December 2018, Gainesville, FL*

B.S. Electrical Engineering - *summa cum laude*

Minors in Physics and Mathematics

Relevant Coursework

Computational Methods: Machine Learning, Complex Analysis, Fourier Analysis, Signals & Systems

Physics: Electrodynamics I/II, Quantum Mechanics, Introduction to Nano-devices

Engineering Systems: Real Time DSP Applications, Microprocessor Applications, Antenna Systems, Communication Systems and Components, Radar, Electronic Circuits

Skills

- **Programming** Python, C, C++, Bash, Matlab
- **Design** Altium Designer, HFSS, Solidworks
- **iOS App Development** Xcode, Swift/Obj-C
- **Markup** LaTeX, HTML, CSS
- **Software Development** Git (& Gitlab, Github, Atlassian), CI/CD

Work Experience

Research Associate, Institute for Defense Analyses, *April, 2019 - Present, Alexandira, VA*

Student Intern, US Naval Research Laboratory, *August, 2018 - April 2019, Washington, D.C.*

Publications

A Supervised Machine Learning Algorithm for Heart-rate Detection Using Doppler Motion-Sensing Radar J.J. Saluja, J. Casanova, and J. Lin *IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology (J-ERM)*

A Supervised Learning Approach for Real Time Vital Sign Radar Harmonics Cancellation J.J. Saluja, J. Casanova, and J. Lin *IEEE International Microwave Biomedical Conference (IMBioC), 2018* Article8741050