

# Justin Le

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## Education

<sup>†</sup> *Indicates expected*

2016–2018<sup>†</sup> M.S.E., Electrical Engineering, University of Nevada, Las Vegas.  
Thesis Advisor: Professor Pushkin Kachroo. CGPA: 3.71/4.00.  
2012–2016 B.S.E., Electrical Engineering, University of Nevada, Las Vegas.  
Minor in Mathematics. CGPA: 3.77/4.00 (*cum laude*).

## Research

*Preprint URLs available at [justinle.info](http://justinle.info).*

## Preprints

- [1] **Le, J.**, & Kachroo, P. (2017). Fundamental tradeoffs in decoding of finite-state hidden markov models. In preparation. November 2017.
- [2] **Le, J.**, & Kachroo, P. (2017). Convergence of gradient descent for a class of nonlinear regulators. In preparation. September 2017.

## Conferences

- [1] **Le, J.**, Yazdanpanah, A.P., & Regentova, E.E. (2015). A deep belief network for classifying remotely-sensed hyperspectral data. Advances in Visual Computing, Proceedings of the 11<sup>th</sup> International Conference on Visual Computing (ISVC), Las Vegas, Nevada. Springer Lecture Notes in Computer Science. December 2015. DOI: [10.1007/978-3-319-27857-5\\_61](https://doi.org/10.1007/978-3-319-27857-5_61).

## Posters

- [1] **Le, J.**, Yazdanpanah, A.P., & Regentova, E.E. (2015). Detection and tracking of mobile targets in aerial infrared images. Nevada NASA EPSCOR and Space Grant Consortium Annual Meeting. Las Vegas, Nevada. May 2015. URL: <https://nasa.epscorspo.nevada.edu/2015-annual-meeting/>.

## Presentations

- [1] Le, J., (2017). The geometry of signal recovery. Department of Mathematical Sciences, University of Nevada, Las Vegas. November 2017. URL: <http://justinle.info/pde-seminar>.

- [2] Le, J., (2016). A technical introduction to machine learning. Howard R. Hughes College of Engineering, University of Nevada, Las Vegas. October 2016. URL: <http://justinle.info/ml-seminar>.
- [3] Le, J., (2015). A deep belief network for classifying remotely-sensed hyperspectral data. 11<sup>th</sup> International Conference on Visual Computing (ISVC). Las Vegas, Nevada. December 2015.

## Employment

|                     |   |
|---------------------|---|
| Jan. 2017–Present   | Research Assistant, School of Medicine, University of Nevada                |
| Aug. 2016–Present   | Teaching Assistant, Electrical Engineering, University of Nevada, Las Vegas |
| Jun. 2017–Aug. 2017 | Data Analyst Intern, BOFI Federal Bank, San Diego, California               |
| Dec. 2014–Aug. 2015 | Research Assistant, Electrical Engineering, University of Nevada, Las Vegas |

## Teaching Assistantship Duties

|             |                                   |                                 |
|-------------|-----------------------------------|---------------------------------|
| Spring 2018 | EE360/360D, Signals and Systems I | University of Nevada, Las Vegas |
| Spring 2018 | EE221L, Circuits II               | University of Nevada, Las Vegas |
| Fall 2017   | EE360D, Signals and Systems I     | University of Nevada, Las Vegas |
| Fall 2017   | EE320, Electronics I              | University of Nevada, Las Vegas |
| Spring 2017 | EE361D, Signals and Systems II    | University of Nevada, Las Vegas |
| Spring 2017 | EE360D, Signals and Systems I     | University of Nevada, Las Vegas |
| Fall 2016   | EE360D, Signals and Systems I     | University of Nevada, Las Vegas |
| Fall 2016   | EE330D, Electromagnetics          | University of Nevada, Las Vegas |

## Selected Honors

|      |   |
|------|---|
| 2016 | Outstanding Undergraduate Scholar Award, Office of Undergraduate Research, UNLV |
| 2014 | Gilman and Bartlett Scholar, UNLV   |

## Involvement

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| 2015–2016 | President, Nevada Beta Chapter, Tau Beta Pi, Engineering Honor Society |
| 2015–2016 | Vice Chair, IEEE, UNLV Student Chapter                                 |