

# Dhivya Chinnappa

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## RESEARCH INTERESTS

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Natural language processing, Machine learning, Information extraction, Social media, Common sense reasoning, Event ordering, Temporal Anchoring, Possessions.

## PUBLICATIONS

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- Dhivya Chinnappa, Alexis Palmer and Eduardo Blanco. 2019. [Temporally-oriented possession: A corpus for tracking possession over time](#). In the second meeting on Society for Computation in Linguistics (SCiL). Extended Abstracts. New York City, USA.
- Dhivya Chinnappa and Eduardo Blanco. 2018. [Possessors Change Over Time: A Case Study with Artworks](#). In the 2018 Conference on Empirical Methods in Natural Language Processing (EMNLP). Brussels, Belgium.
- Dhivya Chinnappa and Eduardo Blanco. 2018. [Mining Possessions: Existence, Type and Temporal Anchors](#). In Proceedings of 16th Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL). New Orleans, USA.

## YET TO BE PUBLISHED RESEARCH

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| <b>Mining Possessions: Experiments and Error Analysis</b><br>Conducted elaborate corpus analysis, presented feature ablation, and error analysis on the existing possession models.                         | <i>Under review</i> |
| <b>Beyond Possession Existence: Duration and Co-Possession</b><br>Extracted co-possession (whether multiple possessors possess a possessee at the same time), and possession duration from text.            | <i>Under review</i> |
| <b>Evaluating Possession Timelines</b><br>Presented evaluation techniques to validate systems that target to generate possession timelines over Wikipedia.  | <i>Under review</i> |
| <b>Extracting Possessions from Social Media: Images Complement Language</b><br>Worked with tweets including images and text to determine if a tweeter possesses the concrete object mentioned in the tweet. | <i>Under review</i> |
| <b>Extracting Skills from Social Media</b><br>Currently working along with a Masters student on tweets to determine if the tweeter possesses a particular skill (cooking, singing, etc.)                    | <i>On-going</i>     |

## SKILLS

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Languages: Python, C, C++  
Packages: NLTK, spaCy, Scikit learn, CoreNLP, Pandas, Keras  
Courses taken : Natural Language Processing, Advanced Natural Language Processing, Advanced Pattern Recognition, Computational Linguistics, Semantics, Machine Learning

## EDUCATION

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CURRENT	Ph.D. in COMPUTER SCIENCE, University of North Texas. Specialization: NATURAL LANGUAGE PROCESSING, <i>CGPA: 3.9</i> Advisor: <a href="#">DR. EDUARDO BLANCO</a> , Expected date of graduation: <b>Fall 2019</b> Thesis: Extracting possessions and their attributes
DEC 2014	MBA in TECHNOLOGY MANAGEMENT(Distance mode) <i>First Class</i> , Anna University, India Project: Evaluating Anna University's Edusat program
JUNE 2012	M.Engg. in COMPUTER SCIENCE AND ENGINEERING <i>First Class with Distinction</i> , Anna University, India Thesis: Challenge response token generation for Two Factor Authentication
MAY 2010	B.Engg. in COMPUTER SCIENCE AND ENGINEERING <i>First Class with Distinction</i> , Anna University, India Project: An approach to detect malicious packet losses

## PROFESSIONAL EXPERIENCE

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Sep 2018 - Current	Graduate Research Assistant at <a href="#">UNT</a> NSF project on NLP, Machine Learning and Computer Security.
AUG 2016 - AUG 2018	Teaching Assistant at <a href="#">UNT</a> Conducting C++ labs and recitations, grading, maintaining office hours.
JUL 2012 - JUNE 2014	Teaching Fellow at constituent colleges - <a href="#">Anna University, India</a> Teaching, grading, supervising undergraduate and graduate projects, mentoring.

## PRESENTATIONS AND VOLUNTEERING

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OCT. 2019	Research poster	Grace Hopper conference	Orlando, FL
SEP. 2019	Research poster	Richard Tapia conference	San Diego, CA
APR. 2019	Doctoral lightning talk	Multi-disciplinary information research symposium (MIRS)	Denton, TX
APR. 2019	Research paper	MIRS	Denton, TX
APR. 2019	Research poster	MIRS	Denton, TX
SEP. 2018	Research poster	Industrial advisory meeting	UNT, TX
JUN. 2018	Volunteer	NAACL-HLT	New Orleans, LA
APR. 2018	Research poster	Data Analytics summit	Allen, TX
2010 - 2012	Volunteer	Team Everest NGO	Chennai, India

## CO-CURRICULAR ACTIVITIES

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2018-Now	UNT - Women in Computing	President (Member from 2016)
2018-Now	Association of Computational Linguistics	Member
2016-Now	UNT - Association for Computing Machinery	Member
2018-Now	UNT - Computational Linguistics Club	Member
2010-2012	Anna University - CSE Association	Secretary
2010-2012	Team Everest India	Member
2006-2010	Computer Society of India - Student chapter	Member

## SCHOLARSHIPS

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2019	Registration waiver - Grace Hopper conf.	Grace Hopper conf.
2019	Registration waiver - Richard Tapia conf.	Richard Tapia conf.
2019	Travel grant - Richard Tapia conf.	GITHUB
2018	Travel grant - EMNLP	UNT
2018	Texas Public Education Grant (TPEG)	Texas Government
2018	Travel grant - NAACL-HLT	UNT
2018	Registration waiver NAACL-HLT	NAACL-HLT
2018	Travel grant - Grad Cohort	CRA-W
2016, 2017, 2019	Travel grant - Grace Hopper conf.	BRAID & UNT
2016, 2017, 2018	Tuition benefit program	UNT

## AWARDS AND CERTIFICATES

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2017-2018	Graduate Student Teaching Excellence Program (GSTEP)	UNT
2016-2018	Academic Achievement Award	UNT
2011, 2015	Graduate Aptitude Test in Engineering scholar	India
2005	President award from Dr. APJ Abdul Kalam (girl scouts)	India
2004	State government award (girl scouts)	India

## CONFERENCES REVIEWED

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2018, 2019	Empirical Methods in Natural Language Processing (EMNLP)
2018, 2019	Association for Computational Linguistics (ACL)
2019	North American Chapter of the Association for Computational Linguistics (NAACL)
2019	Association for the Advancement of Artificial Intelligence (AAAI)

Keywords: PhD, Artificial intelligence, SVM, Neural Networks, Deep Learning, Computational Linguistics, Event ordering, Python, NLTK, spaCy, gensim, sklearn, keras, pandas, NLP, AI, ML