SHEENA PANTHAPLACKEL

spantha@cs.utexas.edu

EDUCATION

PhD The University of Texas at Austin, Computer Science   2017-Present
Advisors: Raymond Mooney, Junyi Jessy Li

BS University of Illinois at Urbana-Champaign, Computer Science   2013-2016
Graduation with High Honors

PUBLICATIONS

Sheena Panthaplackel, Adrian Benton, and Mark Dredze. Updated Headline Generation: Creating Updated Summaries for Evolving News Stories. Accepted in *Association for Computational Linguistics (ACL), 2022.*

Sheena Panthaplackel, Junyi Jessy Li, Milos Gligoric, and Raymond J. Mooney. Learning to Describe Solutions for Bug Reports Based on Developer Discussions. Accepted in *Findings of Association for Computational Linguistics (ACL), 2022.*

Sheena Panthaplackel, Miltiadis Allamanis, and Marc Brockschmidt. Copy That! Editing Sequences by Copying Spans. *The AAAI Conference on Artificial Intelligence (AAAI), 2021.*

Sheena Panthaplackel, Junyi Jessy Li, Milos Gligoric, and Raymond J. Mooney. Deep Just-In-Time Inconsistency Detection Between Comments and Source Code. *The AAAI Conference on Artificial Intelligence (AAAI), 2021.*

Jiyang Zhang, **Sheena Panthaplackel**, Pengyu Nie, Junyi Jessy Li, Raymond J. Mooney, and Milos Gligoric. Leveraging Class Hierarchy for Code Comprehension. *NeurIPS Workshop on Computer-Aided Programming, 2020.*

Sheena Panthaplackel, Pengyu Nie, Milos Gligoric, Junyi Jessy Li, and Raymond J. Mooney. Learning to Update Natural Language Comments Based on Code Changes. *Association for Computational Linguistics (ACL), 2020.*

Sheena Panthaplackel, Milos Gligoric, Raymond J. Mooney, and Junyi Jessy Li. Associating Natural Language Comment and Source Code Entities. *The AAAI Conference on Artificial Intelligence (AAAI), 2020.*

EXPERIENCE

Bloomberg L.P., New York, NY   May 2021-Aug 2021
AI Engineering Intern, NLP Platform (Mentor: Adrian Benton)
- Studying machine learning models for representing news and news edits
- Investigating automatic generation approaches in the news domain

The University of Texas at Austin, Austin, TX   Jan 2019-Aug 2020
Graduate Research Assistant, Machine Learning Group
- Conducting research related to automatically generating and updating source

code documentation using machine learning and natural language processing techniques

- Conducting reading group focused on papers pertaining to the intersection of natural language processing and software engineering

Microsoft Research, Cambridge, UK   Jun 2019-Aug 2019
AI Research Intern, Deep Program Understanding Project (Mentor: Miltos Allamanis)

- Building machine learning models that can comprehend and learn generalizable characteristics about source code edits
- Developing neural architectures for representing structural properties of code

The University of Texas at Austin, Austin, TX   Aug 2017-Dec 2018
Graduate Teaching Assistant, Computer Science

- CS 371R: Information Retrieval and Web Search (Fall 2018)
- CS 378: Declarative Programming (Spring 2018)
- CS 329E: Elements of Software Engineering (Fall 2017)

Spot Trading LLC., Chicago, IL   Jul 2016-Jul 2017
Software Developer

- Developing efficient message gateways to and from various exchanges
- Building infrastructure to quickly process large volumes of real-time market data
- Designing trader-facing applications that utilize market data in order to identify profitable trading opportunities

Spot Trading LLC., Chicago, IL   Jun 2015-Aug 2015
Software Developer Intern

- Developing features in a trading application to allow traders and risk managers to model risk measures for a future date
- Restructuring and optimizing compliance system that detects potential discrepancies and generates alerts based on firm's market activity that it monitors in real-time
- Investigating performance optimizations by leveraging Redis in system that is responsible for providing market data to other applications at the firm

Motorola Solutions, Schaumburg, IL   May 2014-Aug 2014
IT Intern

- Designing process to pull data from various RSS Feeds and displaying it on live tiles on the Windows 8.1 Start screen
- Adding functionality to live tiles using JavaScript

University of Illinois at Urbana-Champaign, Champaign, IL   Jan 2014-May 2014
Undergraduate Researcher in Engineering

- Investigating how human presence in images influences people's reactions to these images in online social spaces

- Processing several images using MATLAB's human detection tool
- Developing scripts to conduct error analysis

University of Illinois at Urbana-Champaign, Champaign, IL   Jan 2014-Dec 2015
Course Assistant, Computer Science
- CS 241: System Programming (Spring 2015, Fall 2015)
- CS 125: Introduction to Computer Science (Spring 2014, Fall 2014)

HONORS AND AWARDS

Bloomberg Data Science Ph.D. Fellowship	2020-2022
Edmund James Scholar	2014-2016
College of Engineering Dean's List	2013-2016
FMC Award of Excellence Scholarship	2014

PROFFESIONAL ACTIVITIES

Reviewer, AAAI	2022
Reviewer, NLP4Prog Workshop at EMNLP	2021
Reviewer, Mining Software Repositories Mining Challenge Track at ICSE	2021
Reviewer, EMNLP	2021
Reviewer, AAAI	2021
Reviewer, Student Research Workshop at AACL	2020
Reviewer, Student Research Workshop at ACL	2020
Reviewer, Student Research Workshop at NAACL	2019

SOCIETY MEMBERSHIPS

Association for the Advancement of Artificial Intelligence (AAAI)	2020-Present
Association for Computational Linguistics (ACL)	2018-Present
Society of Women Engineers (SWE)	2013-Present
Women in Computer Science (WCS)	2013-2016

TECHNICAL SKILLS

Languages and Skills: Python, Java, C, C++, C#, Go, HTML, CSS, JavaScript, PHP, MySQL, MIPS, Verilog, MATLAB, Pytorch, TensorFlow, Apache Kafka
Platforms: MS Windows, Mac OS X, Linux