

KOYENA PAL

Brown University ◇ Providence, RI 02912
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EDUCATION

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| Brown University
<i>Master of Science, Computer Science</i>
- GPA: 4.0/4.0
- Advisor: Dr. Carsten Eickhoff | 2021 – 2022 |
| Brown University
<i>Bachelor of Science, Computer Science, Honors</i>
- GPA: 3.8/4.0
- Thesis: The Effect of Multi-Document Summarizations on User SERP Experience
- Thesis Advisor: Dr. Carsten Eickhoff
- Concentration Advisor: Dr. Ugur Cetintemel | 2017 – 2021 |

INDUSTRY EXPERIENCE

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| Akamai Technologies
<i>Information Security Intern</i> | May 2020 - August 2020
Cambridge, MA |
| <ul style="list-style-type: none">· Designed and deployed UI features to achieve consistent language interpretation in Technical Risk Illuminator, a tool built to support executive decisions.· Conceptualized and modeled an NLP-based multiple-tag generator to identify key terms and types of incidents from cyber-incident reports. | |
| Akamai Technologies
<i>Information Security Intern</i> | May 2019 - August 2019
Cambridge, MA |
| <ul style="list-style-type: none">· Optimized the yearly audits process duration by building a systems register, which generates answers that business units require to show that they are PCI Compliant.· Revamped the PCI Gap Analysis Template to streamline the process of products entering the PCI Compliance program for the first time. | |
| Brown University
<i>Information Security Analyst Intern</i> | May 2018 - July 2018
Providence, RI |
| <ul style="list-style-type: none">· Substantially improved copyright ticketing process automation through network expansion in support of internal IP address, MAC address, and public IP username identification. | |

RESEARCH EXPERIENCE

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| Brown AI Lab for Biomedical Informatics
<i>Student Researcher</i> | Sept 2019 - Present
Providence, RI |
| <ul style="list-style-type: none">· AI + Healthcare: Developed a patient-centric literature summarization mechanism by implementing NLP models on biomedical texts.· AI + HCI: Conducted user-study on the effect of multi-document summarizations on User Search Results Page (SERP) experience. | |
| iTrust Centre at Singapore University of Technology and Design
<i>Research Intern</i> | April 2016 - Jan 2017
Singapore |
| <ul style="list-style-type: none">· AI + Cyber Security: Proposed a novel method to detect cyber-attacks on a Cyber-Physical System. | |

HONORS AND AWARDS

Brown CS Scholarship for Richard Tapia Conference	2021
Brown University Undergraduate Honors Award	2021
Brown Undergraduate Teaching Assistant-ship	2019
Top 3 Best Student Paper Award @ IEEE 18th HASE Conference	2017

PUBLICATIONS

1. Koyena Pal, Carsten Eickhoff, "The Effect of Multi-Document Summaries on SERP Experience," *2021 15th ACM International WSDM Conference*, 2021, *Under Review*.
2. K. Pal, S. Adepu and J. Goh, "Effectiveness of Association Rules Mining for Invariants Generation in Cyber-Physical Systems," *2017 IEEE 18th International Symposium on High Assurance Systems Engineering (HASE)*, 2017, pp. 124-127, doi: 10.1109/HASE.2017.21.

TEACHING AND RESEARCH MENTORSHIP

Brown University	Dec 2018 - Dec 2020
<i>Teaching Assistant (TA) and Head TA*</i>	<i>Providence, RI</i>

- CSCI 1470* and 2470*: Deep Learning, with Dr. Daniel Ritchie (Fall 2020)
 - CSCI 1010: Theory of Computation, with Dr. Lorenzo De Stefani (Fall 2019)
 - CSCI 0220: Introduction to Discrete Structures and Probability, with Dr. Caroline J Klivans (Spring 2019)
 - CSCI 0170: Computer Science – An Integrated Introduction, with Dr. Philip N. Klein (Fall 2018)
- Organized 35 TAs teaching 350+ students. Developed course materials, managed course logistics, led weekly labs, graded student work and held office hours.

Inspirit AI	July 2020 - August 2020
<i>Instructor</i>	<i>Online</i>

- Conducted online lectures and coding assignments covering concepts such as machine learning fundamentals, NLP, computer vision, and ethics in AI.
- Guided global group of students through AI projects such as Anti-Refugee Semantic Analysis.

SERVICE

Mentor @ Brown University's Women in Computer Science	2018-Present
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LAST UPDATED

August 24 2021