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|---------------------------|---|---|
| EDUCATION                 | <p>Doctoral Student - Computer Science<br/>University of Wisconsin – Madison</p> <p>Bachelor of Science - Computer Engineering<br/>University of Wisconsin – Madison</p> <p>Bachelor of Science - Computer Sciences<br/>University of Wisconsin – Madison<br/>Dean’s Honor List</p>   | <p><i>August 2021 - Present</i></p> <p><i>August 2018 - May 2021</i></p> <p><i>August 2018 - May 2021</i></p> <p><i>2019, 2020, 2021</i></p>  |
| PUBLICATIONS              | <p>R. Khandelwal, <b>A. Nayak</b>, H. Harkous, and K. Fawaz. <b>CookieEnforcer: Automated Cookie Notice Analysis and Enforcement.</b> (Rev. at USENIX Security, 2023)</p> <p>R. Khandelwal, <b>A. Nayak</b>, Y. Yao, and K. Fawaz. <b>Surfacing Privacy Settings Using Semantic Matching.</b> (PrivateNLP@EMNLP 2020)</p>   |   |
| UNDER REVIEW/ONGOING WORK | <p><b>Landscape of Privacy Nutrition Label and their Consistency with Privacy Policies</b></p> <p><b>Analyzing Password Security in the context of Browser extensions</b></p>   |   |
| WORK EXPERIENCE           | <ul style="list-style-type: none"> <li>- Research Student at the Wisconsin Privacy and Security Lab</li> <li>- Graduate Teaching Assistant - Intro to AI</li> <li>- Graduate Teaching Assistant - Machine Organization and Prog.</li> <li>- Research Intern at Wisconsin Privacy and Security Lab</li> <li>- UGrad Research Assistant at Wisconsin Privacy and Security Lab</li> </ul>  | <p><i>June 2022 - Present</i></p> <p><i>June 2022 - Present</i></p> <p><i>September 2021 - May 2022</i></p> <p><i>May 2021 - August 2021</i></p> <p><i>June 2020 - May 2021</i></p> |
| SCHOLASTIC ACHIEVEMENTS   | <ul style="list-style-type: none"> <li>- Recipient of first-year CS Departmental Scholarship (UW-Madison)</li> </ul>  |   |
| RESEARCH EXPERIENCE       | <p><b>Automated Cookie Notice Analysis and Enforcement</b> (Rev., USENIX Security 2023)<br/><i>Advisor: Prof. Kassem Fawaz</i></p> <ul style="list-style-type: none"> <li>• Designed and developed a browser plugin to automatically accept the most privacy-preserving choices for a cookie notice on any website</li> <li>• Conducted a user study showing the reduction in user effort in interacting with cookie notices as well as the usability of the extension</li> </ul> <p><b>Surfacing Privacy Settings Using Semantic Matching</b> (PrivateNLP@EMNLP 2020)<br/><i>Advisor: Prof. Kassem Fawaz</i> <a href="#">[Paper]</a></p> <ul style="list-style-type: none"> <li>• Designed and developed an HTML parser to understand the relative positioning of web elements.</li> <li>• Created a hierarchical clustering algorithm to merge sentences based on semantic matching into high level categories</li> </ul> <p><b>Increasing the accuracy of Sim2Real Transfer Learning</b></p> <ul style="list-style-type: none"> <li>• Developed a Reward Shaping function for better policy transfer in the Sim2Real domain</li> <li>• Created custom environments with realistic physics</li> </ul> |   |