Benjamin Ampel

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Department of Management Information Systems	Eller College of Management
University of Arizona McClelland Hall	1130 E. Helen Street Tucson, AZ 85721

EDUCATION

Ph.D., Management Information Systems (MIS), University of Arizona, Expected 2023
- **Advisor:** Dr. Hsinchun Chen
- **Minor**: Cognitive Science

M.S., Management Information Systems (MIS), University of Arizona, 2019

B.S., Management Information Systems (MIS), University of Arizona, 2017

PUBLICATIONS

Journal Papers
1. None

Working Journal Papers
1. **B. Ampel**, S. Samtani, H. Zhu, and H. Chen "Labeling Hacker Exploits for Proactive Cyber Threat Intelligence: An Explainable Deep Transfer Learning Approach" **Under Second Round Review at Management Information Systems Quarterly (MISQ).**
2. **B. Ampel**, S. Samtani, H. Zhu, and H. Chen "Linking Hacker Exploits to a Cybersecurity Risk Management Framework: A Knowledge Distillation Approach" **Targeted at Management Information Systems Quarterly (MISQ).**
3. S. Samtani and **B. Ampel**, "A Survey of Opportunities for Developing Dark Web-Based Cyber Threat Intelligence Systems" **Targeted at Computers and Security.**

Refereed Conference Proceedings
1. **B. Ampel**, S. Samtani, H. Zhu, S. Ullman, and H. Chen, "Labeling Hacker Exploits for Proactive Cyber Threat Intelligence: A Deep Transfer Learning Approach," Proceedings of 2020 IEEE International Conference on Intelligence and Security Informatics (ISI), Washington, D.C., November 2020 *(Recipient of Best Paper Award)*.
2. S. Ullman, S. Samtani, B. Lazarine, H. Zhu, **B. Ampel**, M. Patton, and H. Chen, "Smart Vulnerability Assessment for Scientific Cyberinfrastructure: An Unsupervised Graph Embedding Approach," Proceedings of 2020 IEEE International Conference on Intelligence and Security Informatics (ISI), Washington, D.C., November 2020.
3. B. Lazarine, S. Samtani, M. Patton, H. Zhu, S. Ullman, **B. Ampel**, and H. Chen, "Identifying Vulnerable GitHub Repositories and Users in Scientific Cyberinfrastructure: An Unsupervised Graph Embedding Approach," Proceedings of 2020 IEEE International Conference on Intelligence and Security Informatics (ISI), Washington, D.C., November 2020.
4. **B. Ampel**, M. Patton and H. Chen, "Performance Modeling of Hyperledger Sawtooth Blockchain," Proceedings of 2019 IEEE International Conference on Intelligence and Security Informatics (ISI), Shenzhen, China, July 2019.

RESEARCH GRANTS

- **Year**: 2020. **Grant Title:** "D-ISN: TRACK 1: Disrupting Illicit Dark Web Hacker Community Networks: An Explainable AI Approach" **Funding source**: National Science Foundation. **Funding Amount**: $1,000,000. **Status:** Rejected. **Role**: Assisting Grant Writer

PROFESSIONAL ACTIVITIES

Ad-hoc Reviewer of Journal Papers (2 total)
Transactions on Dependable and Secure Computing (TDSC), 2021; ACM Transactions on Management Information Systems (TMIS), 2019.

Ad-hoc Reviewer of Refereed Conference Proceedings (7 total)
Hawaii International Conference on System Sciences (HICSS), 2021; Pacific Asia Conference on Information Systems (PACIS), 2021; International Conference on Information Systems (ICIS), 2021; IEEE Deep Learning and Security Workshop (DLS), 2020; Pacific Asia Conference on Information Systems (PACIS), 2020; International Conference on Information Systems (ICIS), 2020; ICDM Workshop on Deep Learning for Cyber Threat Intelligence (DL-CTI), 2020.

Conference Committees (2 total)
ACM Conference on Computer and Communications Security (CCS) AISec Workshop, 2021; Program Committee, Workshop on Artificial Intelligence-enabled Cybersecurity Analytics (AI4Cyber-KDD), 2021.

HONORS & AWARDS
- Best Paper Award. IEEE Intelligence and Security Informatics (ISI). 2020.
- CyberCorps: Scholarship for Service Fellow (2018-2021)
- MIS Undergraduate Outstanding Senior (2017)
- William and Florence Schmidt Scholarship Recipient (2017)
- Eller Business School Circle of Excellence Inductee (2017)

TEACHING EXPERIENCE

Semester	Course	Location	Teaching Score
Summer 2021	MIS 562 - CTI	University of Arizona	N/A
Fall 2021	MIS 562 - CTI	University of Arizona	N/A

CERTIFICATIONS
- CNSS 4011 - Information Systems Security Professionals
- CNSS 4012 - Senior Systems Managers
- CNSS 4013 - System Administrators
- CNSS 4016 - Risk Analyst

WORK EXPERIENCE

MITRE   **Bedford, Massachusetts**
Cyber Assessment Intern   May 2019 – August 2019

Pima County   **Tucson, Arizona**
IT Service Support Specialist   February 2018 – June 2018

SponsorUnited   **Tucson, Arizona**

PERSONAL

- **Research Focus:** Data mining of Dark Net Markets / Hacker Forums
- Security Clearance (DoD Secret, effective 2019)