Isslam Alhasan, Ph.D., MSE, BCS
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EDUCATION:

Purdue University | Ph.D. Computer and Information Technology – Data Science | August 2023
  Dissertation: *Human Factors in Cybersecurity: A Cross-Cultural Study on Trust*
California State University, Fullerton | M.S. in Software Engineering | May 2018
California State University, Fullerton | B.S. in Computer Science | August 2016

SKILLS:

Python, Excel, Jupyter Notebook, Power Bi, Tableau, Qualtrics, machine learning, data analysis and visualization, predictive analysis, data manipulation, research methods; qualitative, quantitative, and mixed methods, survey design, statistical analysis, cybersecurity fundamentals, agile methodologies, curriculum development, software architecture and design.

EXPERIENCE:

Zayed University | Visiting Assistant Professor | CTI | Department of Computing & Applied Technology
August 2024 – May 2025
- Taught undergraduate courses in Artificial Intelligence, Information Security Management, Human-Computer Interaction, IT in Global Cultures, and Introductory IT courses.
- Supervised and mentored senior project students in research, development, and implementation of IT based solutions.
- Design and deliver engaging lectures, case studies, glass engagements and discussions, and assessments to ensure students grasp both theoretical and practical aspects of the subjects.
- Integrate real-world case studies, predictive analytics, and data science applications into coursework to enhance students' industry readiness.

Korn Ferry | West Lafayette, IN | Associate Consultant | Operational Strategies & People Analytics
July 2022, June 2023 – July 2024
- Conducted Python-driven market analysis, identifying key global locations to support business expansion strategies.
- Developed predictive models to optimize talent acquisition and workforce planning.
- Created a resource allocation optimization tool, improving project delivery and operational efficiency.
- Advanced DEI initiatives by developing data-driven diversity metrics to track and improve organizational inclusion strategies.
- Designed and maintained real-time dashboards and key performance metrics, enhancing data-driven decision-making.

Purdue University | West Lafayette, IN | Graduate Research & Teaching Assistant
January 2021 – August 2023
- Conducted cybersecurity research funded by the U.S. Department of Homeland Security, focusing on Industrial Control Systems (ICS) workforce needs.
- Developed a concept map for ICS cybersecurity, later published in IEEE Frontiers in Education.
- Engineered GPT-2-based phishing simulations to analyze cybersecurity threats.
- Co-instructed graduate-level courses; Research Methods, Social Engineering, Cybersecurity Fundamentals I & II.
- Designed and delivered hands-on cybersecurity lab sessions, enhancing student engagement and skill development.
- Co-authored a published secure programming tutoring system (SecTutor), presented at WISE 2022.
- Advised graduate students on research methodologies, technical writing, and industry certifications

UPS - The Data Mine | West Lafayette, IN | Data Researcher & Analyst
August 2021 – May 2022
- Developed predictive models to identify high-value investment opportunities for UPS.
- Conducted data-driven market analysis, identifying patterns and key investment indicators.
- Utilized Python, Power BI, and Agile methodologies to analyze business intelligence data.
- Presented research findings at The Data Mine Symposium 2022, highlighting actionable insights.

California State University Fullerton | Fullerton, CA | Graduate Instructor
January 2019 – August 2019
- Taught graduate courses covering software architecture, design, and testing.
- Designed interactive lesson plans, ensuring student engagement and comprehension.
- Provided guidance on academic research methods and technical communication skills.

Early-Stage Startup | Irvine, CA | Software Engineer
September 2018 – January 2019
- Contributed to full software development lifecycle in an Agile environment.
- Optimized and maintained software applications, implementing CI/CD strategies.
- Conducted code reviews and automated testing, improving software quality.

Ansar Academy | Anaheim, CA | Computer Science Teacher
August 2014 – May 2016
- Developed and taught computer science curricula for elementary, middle, and high school students.
- Taught programming fundamentals and technology industry trends.

PUBLICATIONS:

Human Factors in Cybersecurity: A Cross-Cultural Study on Trust.
- DOI: 10.25394/PGS.23271581.v1
- Dissertation – Purdue University

Mapping the Landscape of Industrial Control Systems Cybersecurity – A Delphi Study
- Co-authored, published in IEEE Xplore. DOI: 10.1109/FIE49875.2021.9637386
- Developed a cybersecurity concept map to guide curriculum planning for ICS security.
- Submitted to Frontiers in Education (FIE) | Envisioning Convergence in Engineering Education: Mapping the Landscape of Industrial Control Systems Cybersecurity: A Delphi Study

Curriculum Guidance Document Industrial Control Systems
- Co-authored and published in The Center for Education and Research in Information Assurance and Security (CERIAS): https://www.cerias.purdue.edu/assets/pdf/bibtex_archive/2021-01.pdf
- Research work supported by the U.S Department of Homeland Security
- Context for scalable national network of cybersecurity institutes utilizing hub and spoke model locations in FEMA region 5, plan for development of shareable curriculum for ICS.

SecTutor: An Intelligent Tutoring System for Secure Programming
- Co-authored and published in a book chapter of Information Security Education – Adapting to the Fourth Industrial Revolution. DOI: https://doi.org/10.1007/978-3-031-08172-9_2
- Online learning tool for secure programming that allows the learner to pursue knowledge at their own pace based on assessments that identify, and structure education based on the learner's current level of understanding.
- Intelligent tutoring system to teach secure programming and identify and suggest resources for areas of improvements.
- IFIP World Conference on Information Security Education – WISE 2022: Information Security Education – Adapting to the Fourth Industrial Revolution pp 17-28.

MANUSCRIPT REVIEWER:
Contributed as a reviewer of manuscripts for high a standard journal.
- Information, Technology, and People Journal
- Morressier – The 5th International Workshop on Environment and Geoscience

SCHOLARSHIPS/GRANTS:

WiCyS (Women in Cybersecurity) Scholarship
Attended WiCyS Conferences (2021, 2022)