GANNON UNIVERSITY

I-HACK

Institute for Health and Cyber Knowledge

Applications for Research Assistantships in Secure, Efficient, and Intelligent Computing Systems

GU

GANNON UNIVERSITY
College of Engineering and Business

Dr. Shayan (Sean) Taheri is a **Tenure-Track Assistant Professor** in **Cyber Engineering** in the **Department of Electrical and Cyber Engineering (ECE)** and the **Institute for Health and Cyber Knowledge (I-HACK)** at the **Gannon University (GU)**. His current research focus lies in the intersection of **Cyber Engineering**, **Hardware/Software Co-Design**, and **Artificial Intelligence (AI) Engineering** with the aim of providing security, efficiency, and intelligence for computing systems. The research projects of interest include all directions of "**Hardware Security**" and "**Security Aspects of Artificial Intelligence**", aiming to make the next generation of computing systems more trustworthy.

Dr. Taheri actively seeking highly motivated, skilled, versatile, adept, learner, thinker, creative, and self-driven graduate and undergraduate applicants/students with technical and analytical skills for conducting state-of-the-art research in the areas of interests. Current students in the **Master of Science** and the **Bachelor of Science** programs with majors in **Cyber Engineering**, **Electrical Engineering**, and **Embedded Software Engineering** and with expertise and experience in successful research are encouraged to contact for consideration. The prospective members are expected to have a demonstrable and solid background in a number of the following cases:

- **Programming Languages**: C++; Python; and MATLAB.
- **Hardware Description Languages**: Verilog HDL; VHDL; SPICE; and Assembly.
- **Software Tools for Computer Hardware**: Synopsys, Cadence, and Xilinx Suites; GEM5; and SST.
- **Software Libraries for Artificial Intelligence**: TensorFlow; PyTorch; Scikit-learn; Matplotlib; OpenCV; Keras; and TensorBoard.
- **Operating Systems**: Linux.

Your research efforts can be considered toward your **master's (M.S.) thesis** or **senior design (B.S.) project**. The available research assistantships are **hourly positions without tuition support** and the specified wage for the **Fall 2022 semester** is $10 per hour based on 10 hours per week involvement (i.e., **$10/Hour** and **10 Hours/Week**). If you are interested in being involved in the projects, please: **(1)** apply for the job posting at "**https://gannon.peopleadmin.com/postings/8750**"; and **(2)** send a copy of your resume along with any other supporting document(s), all in a single file in Portable Document Format (PDF) to Dr. Taheri's email address.

ONLINE | https://www.gannon.edu/FacultyProfiles.aspx?profile=taheri001

CALL | +(1) (814) 871-5331

EMAIL | taheri001@gannon.edu

GANNON
UNIVERSITY

Believe in the possibilities.