PhD Positions in Hardware Security Cryptographic Engineering Large Language Models

TEXAS A&M UNIVERSITY

The Secure and Trustworthy Hardware (SETH) lab at Texas A&M University, led by **Prof. JV Rajendran**, invites applications for **three** fully funded Ph.D. positions in the areas of 1) **Cryptographic Engineering**, 2) **Large Language Models**, and 3) **Hardware Design**. More information about our research can be found at: https://seth.engr.tamu.edu/

Requirements

We are looking for self-motivated students to work on multiple research projects on **Hardware Security**:

1) For the position on **Cryptographic Engineering**: Strong background in computer architecture; good understanding of analysis of algorithms. Knowledge of cryptography is a plus.
2) For the position on **Large Language Models**: In-depth understanding of Computer Science, Large Language Models, and Machine Learning. Knowledge of Circuit Design is a plus.
3) For the position on **Hardware Design**: Solid understanding of VLSI, computer architecture, and operating system concepts; hands-on experience with system-on-chip (SoC) design.

How to apply

If you are interested in a position, please:

- Send an email with your CV and English proficiency scores to jv.rajendran@tamu.edu.
- Highlight your skills relevant to the position and provide links to your papers and projects (GitHub etc.).
- Attach a one-page summary of a recently published paper or a recently discovered security vulnerability.

*State "**Job Applicant**" in the subject line to avoid being marked as spam.*

About the Department of Electrical and Computer Engineering at Texas A&M

The Texas A&M University Department of Electrical and Computer Engineering's graduate program is ranked 11th for computer engineering and 13th for electrical engineering among public institutions by U.S. News & World Report. The distinguished faculty at the department (including 35 IEEE Fellows and 6 members of the National Academy of Engineering) has advanced national and global prosperity by its research, development, and application of electrical and information technologies and sciences for the benefit of humanity and has helped create the global village. With Texas's electronics workforce being the 2nd largest in the US, the ECE students get ample chances of internships and employment in semiconductor design, manufacturing, and sales companies including Apple, Intel, Texas Instruments, ARM, and many others.

About Texas A&M Cybersecurity Center

The Cybersecurity Center at Texas A&M has been designated as a Center of Academic Excellence by the National Security Agency (NSA) in all three categories: Cyber Operations, Research, and Education, making Texas A&M one of the eight universities ever to hold this distinction. The Cybersecurity program is among the **top 10 cybersecurity programs** featured in USA Today's latest edition of Cybersecurity Magazine. The Cybersecurity program has 100+ students and 50+ faculty, and partners with 50+ companies.