

Research Associate
Worcester Polytechnic Institute

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Posted Jul. 5, 2024, set to expire Oct. 31, 2024

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| Job Title | Research Associate |
| Department | |
| Institution | Worcester Polytechnic Institute Worcester, Massachusetts |
| Date Posted | Jul. 5, 2024 |
| Application Deadline | Open until filled |
| Position Start Date | Available immediately |
| Job Categories | Professional Staff |
| Academic Field(s) | Research/Technical/Laboratory |
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Job Description

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JOB TITLE

Research Associate

LOCATION

Worcester

DEPARTMENT NAME

Electrical & Computer Engineering - NFR JM

DIVISION NAME

Worcester Polytechnic Institute - WPI

JOB DESCRIPTION SUMMARY

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The ECE Department is starting a one-year project for NSF to develop a framework around the open source project Chipwhisperer (<https://github.com/newaetech/chipwhisperer>), a hardware security testing environment.

JOB DESCRIPTION

The Research Associate will support development of the framework. The following features are desired for the framework.

- A website to share documentation which include PDF documents as well as APIs.
- A repository to organize and share software artifacts, hardware design data, and design examples.
- A virtual collaboration space, such an online forum, to support new users and contributors.

Required Qualifications: Minimum a BS degree with software development experience and a skillset matching the following requirements.

- System administration of a webserver.
- Maintain an online calendar with scheduled events.
- Maintain a user email list.
- Online documentation generation (markdown, readthedocs, SPHINX).
- PDF document management, classification, indexing around 500 publications.
- Set up an online forum (eg discourse).
- Maintain a code base under github.
- enable collaborative document development (github).

Experience with side-channel analysis and ChipWhisperer is considered a plus.

Job Families

FLSA STATUS

United States of America (Exempt)

WPI is an Equal Opportunity Employer that actively seeks to increase the diversity of its workplace. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. It seeks individuals with diverse backgrounds and experiences who will contribute to a culture of creativity, collaboration, inclusion, problem solving, innovation, high performance, and change making. It is committed to maintaining a campus environment free of harassment and discrimination.

To apply, visit:

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https://wpi.wd5.myworkdayjobs.com/en-US/WPI_External_Career_Site/job/Worcester/Research-Associate_R0002860

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WPI is a vibrant, active, and diverse community of extraordinary students, world-renowned faculty, and state of the art research facilities. At WPI, we have competitive and comprehensive benefits, including health insurance, long-term care, retirement, tuition assistance, flexible spending accounts, work-life balance and much more.

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WPI is committed to creating an inclusive workplace where everyone feels valued and respected; a place where every student, faculty and staff member can be themselves, so that they can study, live, and work comfortably, to reach their full potential, and make meaningful contributions in order to meet departmental and institutional goals. WPI thrives on innovative practice and welcomes diverse perspectives, insight, and people from diverse lived experiences, to enhance the community environment and propel the institution to the next level in a competitive, global marketplace.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

N/A

Worcester Polytechnic Institute

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