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MSPQC Newsletter

News, info and updates for MSPQC students at UW–Madison

June 4th, 2021

Announcements

COVID-19 Vaccination & Campus Operations Update

The Office of the Chancellor sent out an update this week concerning [face mask requirements](#). See [here](#) for further information concerning building access, travel guidelines, and campus policies for COVID-19. As a reminder, University Health Services (UHS) has COVID-19 vaccine appointments available for employees and students. UHS is also now able to offer vaccines to anyone who lives, works or studies in Wisconsin, including friends and family of UW–Madison students and employees. For more information and to schedule a vaccine appointment, click [here](#).

Chicago Quantum Exchange 2021 Annual Report Published

The Chicago Quantum Exchange (CQE) has published its 2021 annual report highlighting significant accomplishments in the CQE and throughout the sector of quantum computing. To view the report, click [here](#).

University Health Services (UHS) Summer Offerings

As enrolled students on campus this summer, all MSPQC students are eligible to utilize services provided by UHS. This summer UHS will be offering [group counseling](#) with 4 groups emphasizing the graduate student experience: the Graduate Student Support Group, Graduate Women Support Group, Graduate Students of Color Group, and Dissertator Support Group. UHS is also offering a Grad Resilience series, which are 1-hour lunch discussions for graduate students on Tuesdays at noon CST. Sign up for this series [here](#).

Professional Development & Events

Quantum Computing Tutorial

Date: June 14-18, 2021

The tutorial is designed to provide hands-on experience programming IBM quantum computers using Qiskit and quantum simulators. Participants will learn the basics of how to formulate and solve quantum chemistry and combinatorial optimization problems using Qiskit. For more information, click [here](#) and to register, click [here](#) (you will need to enter the following password to register: quantumcomputing2021).

Employment Opportunities

MSPQC Career Toolkit

MSPQC Program Coordinator Jackson Kennedy manages and updates the [MSPQC Career Toolkit](#). This is the central hub for professional development and job search opportunities for MSPQC students and is updated frequently. Contact [Jackson Kennedy](#) with questions, concerns, and suggestions.

QED-C Student Database

[QED-C](#) Maintains a database of students obtaining degrees in quantum computing. This database is shared with employers, internship providers, and consortium partners. To add yourself to this database, complete the [Student Info Form](#) (password: Students@QED-C) and use Jackson Kennedy (jckennedy3@wisc.edu) as your advisor email.

IonQ: Systems Operation Engineer

IonQ is hiring a Systems Operations Engineer who will be responsible for ensuring high uptime and performance of commercial quantum computers, automating capabilities to optimize system performance, and collaborating with physicists and engineers to build tools to improve existing quantum technology. To apply, click [here](#).

Zapata Computing: Machine Learning Engineer

Zapata Computing is hiring a Machine Learning Engineer who will design, create, test, and maintain a suite of classical machine learning and optimization techniques that clients and researchers can deploy on Orquestra to benchmark against novel hybrid quantum-classical innovations and collaborate with DevOps and Platform Engineers to propose and build tooling, data management, and model management features for the machine learning lifecycle. To apply, click [here](#).

IBM: Quantum Developer

IBM is hiring a Quantum Developer who will be responsible for architecting and implementing robust and well-documented software solutions in Qiskit out of the latest applications developed by the team and for working with clients and partners in ramping-up in quality control. To apply, click [here](#).

Useful Links

[Dates and Deadlines from the Office of the Registrar](#)

[MSPQC Career Toolkit](#)

[MSPQC Handbook](#)

[Professional Development from the Graduate School](#)

Connect with us!



[Department of Physics](#)

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This newsletter is for MSPQC students at UW–Madison; we update the mailing list at the start of each semester. Please contact [Jackson Kennedy](#) with any questions.