



MICRO-SCHOOL

NITheCS

National Institute for
Theoretical and Computational Sciences

Introduction to Git & GitHub

Dean Brand (Stellenbosch University & NITheCS)

Friday, 11 October 2024 | 12h00-12h30 SAST

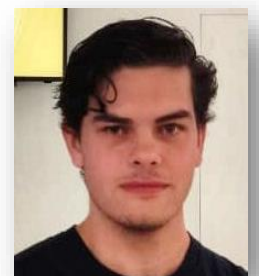
Attend online

ABSTRACT

This micro-school introduces participants to GitHub, the industry-standard platform for version control and collaboration in software development. Built on Git, GitHub has become essential for managing code repositories and streamlining the development lifecycle. Through live demonstrations and hands-on exercises, participants will learn fundamental Git concepts such as creating repositories, making commits, and managing branches, before exploring GitHub's collaborative features like pull requests and open-source contribution. By the end of this session, attendees will have gained practical experience in using GitHub, enabling them to manage code more efficiently, collaborate seamlessly with other developers, and contribute to the broader open-source community. Whether you're a computer science student, a budding developer, or an experienced programmer looking to refine your version control skills, this micro-school will equip you with the knowledge to leverage GitHub effectively in your projects and professional endeavours.

BIOGRAPHY

Dean is a second-year PhD student in the Quantum Research Group of Stellenbosch University, under the supervision of Prof Francesco Petruccione. His current research focuses on the intersection of quantum computing and neuromorphic computing, to find an optimal hybridisation of these technologies. Dean completed his BSc and BSc Honours at the University of the Witwatersrand, majoring in astronomy, astrophysics, and theoretical physics. After this he completed a NITheCS internship with Prof Petruccione and Prof Ilya Sinayskiy (University of KwaZulu-Natal) (UKZN), which was an introductory research project on quantum computing. This led to a Master's degree with the same supervisors at UKZN, which was based on an application of Open Quantum Systems techniques to model the noise of IBM quantum computers. His research interests have since evolved to include machine learning and quantum algorithms, which are central to the idea and aims of neuromorphic quantum computing, especially for applications such as artificial intelligence and deep learning.



REGISTER: <https://bit.ly/3Y1QwXY>

