

## Guilherme Pimentel



Guilherme Pimentel was born in São José dos Campos, Brazil. He obtained his bachelor's and master's degrees in electronics engineering and physics from the Instituto Tecnológico de Aeronáutica, one of the leading engineering institutions in Brazil. During his undergraduate years, he became acquainted with the Schenberg Gravitational Wave Detector based at the Brazilian Institute for Space Research and chose to make it the subject of both his undergraduate and master's thesis. For his master's thesis, he had an opportunity to study high-sensitivity resonant cavities, superconductivity and the Casimir force in small scale devices.

Guilherme is now pursuing a Ph.D. in Physics at Princeton University as an International Fulbright Science and Technology Award grantee. He has elected to study quantum field theory with a special interest in dual models to describe strong coupling systems such as gravity duals of quantum chromodynamics or of superconductivity based on string theory.