



Semra Türkçapar

Doctor of Philosophy in Physics



Profile

Like most scientists, I am a naturally curious person and currently I am developing new skills such as Machine Learning Algorithms, Digital circuits, Verilog, Web Page Developments. Now, I am looking for a position to spark my curiosity to develop new skills.



Work experience

Dec. 2019

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June 2019

Visitor Ph.D. Student

LPC Guest&Visitor Program, Fermilab, U.S.

Primary analyst for a physics research

May 2019

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June 2015

Research Assistant

CERN, Switzerland

Contributed to detector upgrades and a physics analysis. In charge of testing, integration, installation and commissioning of detector electronics

Aug. 2014

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Feb. 2014

English Lecturer

Bilgi Yon Private Teaching Institution, Mersin, TURKEY

Taught English to primary and secondary school students

Sep. 2010

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Sep. 2009

Teaching Assistant

Cukurova University, Adana, TURKEY

Taught to laboratory sessions for Bachelors students studying physics



Education

Mar. 2023

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Sep. 2014

Doctor of Philosophy in Physics

Cukurova University, Adana, TURKEY

"Search for Stealth $SY\bar{Y}$ Top Squark Decays with an Automated ABCD Method using a Double DisCo Neural Network"

Feb. 2014

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Sep. 2010

Master of Science in Physics

Cukurova University, Adana, TURKEY

"Pedestal Analysis for HO and HF Calorimeters in CMS Experiment"

Aug. 2010

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Sep. 2009

English Language Program

Cukurova University Foreign Languages Teaching Research and Application Center, Adana, TURKEY

Aug. 2008

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Sep. 2004

Bachelor of Science in Physics

Dicle University, Diyarbakir, TURKEY



Contact



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Address

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Website

<https://semrat.github.io>



Skills

- C++, Python, ROOT
- Verilog
- HTML, XML, CSS
- MacOS, Ubuntu, Linux
- GitHub, GitLab
- Latex, Overleaf
- Project Management
- Effective Communication
- Team Work and Team Leadership



Certificates

- Foreign Languages Teaching Research and Application Certificate of Achievement for English language, August 2010



Interests

- Machine Learning Techniques
- Digital Circuit Designs
- Playing with Development Kits
- Web Page Developments



Languages

Turkish

Native

English

Fluent