

Abdelkrim Kallich

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EDUCATION

Shippensburg University, Shippensburg, PA

Bachelor of Science in Advanced Physics, Expected Graduation, December 2022

Major GPA: 3.589

Cumulative GPA: 3.551

Relevant Coursework:

CSC 104, CSC 110, PHY 471, PHY 301, PHY 461, MAT 211, MAT 212, MAT 213, MAT 322, and MAT 318:

Programming in Python, Computer Science I/ JAVA, Computation Physics/ WOLFRAM programming, Math & Num Technique, Mathematical Physics, Calculus I/II/III, Differential Equations, and Algebra.

Harrisburg Community College, Harrisburg, PA, summer A 2018

Relevant Coursework:

ENG 114: fluency in writing.

Ibn Tofail University Faculty of Sciences, Morocco, 2011-2013

Associate Degree in Physics.

COMPUTER SKILLS

Languages: *Java, Python, wolfram, Html, C++.*

Software's: *Wolfram Mathematica, MATLAB, Anaconda navigator.*

OS's : *Windows server and Mac OS.*

RELEVANT PROJECTS/RESEARCH PROJECTS:

Inverting infinite dimensional matrices in the comma theory (also known as split field theory), 2019-2020

- Dealt with string field theory; calculated the Neumann coefficients appearing in the comma formalism of Witten's string theory List.
- Funded by the Undergraduate Research Grant Program.
- Unfinished research (done 95%) due to SARS-CoV-2.

Study of the Rare Decay $J/\psi \rightarrow \phi e^+ e^-$ in the Light of BESIII Data, Spring 2020

- Finding the theoretical value of the probability amplitudes in theoretical particle physics with different methods and software.
- Funded by College of Arts and Sciences Shippensburg University (SFRE Grant).
- Research in progress.

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RELEVANT EXPERIENCE

Machine technician, Sodexo inc, (November 2020 – present), Shippensburg, Pa.

Using machine to change forklift batteries. Doing maintenance. Inspect batteries of all kinds.

Warehouse associate at Db Schenker, (October 2019 – November 2020), Shippensburg, Pa.

Performed all warehouse laborer duties including picking, packing, inventory control, and maintaining a clean area. Loading and unloading trailers using the forklift.

Warehouse associate at Db Schenker, (October 2015-June 2019), Carlisle, Pa.

Performed all warehouse laborer duties including picking, packing, inventory control, operating laser machine to scrap phones and spreadsheet data.

Science Tutor (2012 – 2014), Morocco, Kenitra.

Tutoring math, physics for youth of all ages (part time).

LANGUAGES

English, Arabic, and French.