

Levon Dovlatyan

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EDUCATION

Ph.D, Physics
University of Maryland, College Park, MD, expected May 2022
Specialization: Accelerator and Beam Physics

B.S, Engineering Physics
UC Berkeley, Berkeley, CA, December 2015

RELEVANT WORK EXPERIENCE

UMER group, University of Maryland
Graduate Student 2016-Present
Research Advisor: Prof. Rami Kishek

- Developing simulations and experiments to better study the beam dynamics in UMER.
- Improving control systems (hardware & software).
- Assisting with various engineering and physics projects related to UMER's operation.

Advanced Light Source (ALS), Lawrence Berkeley National Lab (LBNL)
Undergraduate Researcher 2014-2015

Advisors: Greg Portmann and Dr. David Robin

- Researching lattice diagnostic techniques with TbT beam position monitors.
- Upgrading and improving control room operational software.
- Assisted in normal accelerator physics operations.

BESSY II, Helmholtz-Zentrum Berlin (HZB)
Undergraduate Researcher Summer 2014

Advisors: Dr. Markus Ries and Dr. Paul Goslawski

- Developed control room software to help assist with operations and physics experiments.
- Built the optical path for a new streak camera at the physics test beamline and helped take measurements afterwards.
- Assisted in normal accelerator physics operations.

TEACHING

University of Maryland 2016-Present
Graduate Instructor

- Math 113 (Fall 2017) - College Algebra and Trigonometry

Graduate Teaching Assistant

- Physics 132 (Spring 2017) - Fundamentals of Physics for Biologists II
- Physics 132 (Fall 2016) - Fundamentals of Physics for Biologists II

Project GRAD Los Angeles 2012-2013
Teacher

- Worked on-campus at middle and high schools around the San Fernando Valley.
- Facilitated and taught several periods of class three days a week
- Worked in after school and weekend tutoring activities

**RELEVANT
COMPUTER
SKILLS**

Languages: C++, Python, Matlab, Lua, Java, Bash
Web: Full-Stack developer
Specialized: EPICS, Elegant, Django, MML

Type Setting: L^AT_EX
OS: Linux (Ubuntu), Windows
Version Control: Git, Mercurial

PRESENTATIONS

L. Dovlatyan, G. Portmann, "Measuring energy dependent tune shifts during RF failures." ALS accelerator physics group meeting, LBNL B 80-234-CR, Berkeley, CA. April 22 2015

L. Dovlatyan, "Applications of TbT BPM data." ALS accelerator physics group meeting, LBNL B 80-234-CR, Berkeley, CA. July 22 2015.