

Sample STEM Resume



Graemoer Dakshin
Resume
(314) 456-1908
g.dakshin@arizona.edu

<http://www.graemoerdakshin.com>
<https://github.com/graemoerdakshin>

Section headers make it easier to find specific types of information.

Include **digital content** but only if it's professional and up to date.

Use **standard fonts** (Times New Roman used here, no smaller than 12 font) and do NOT use colored fonts as they may not show up on all computer programs. Send NEW pdf (older versions can become corrupted). No Columns or tables.

EDUCATION

University of Arizona
Ph.D. in Physics

expected May 2020

California Institute of Technology
B.S. in Physics
Minor in Mathematics

2015

Education is usually posted in reverse chronological order with the university name first and then degree (your academic lineage) and the dates on the right side (your timeline).

RELEVANT RESEARCH EXPERIENCE

University of Arizona, Department of Physics
Research Assistant to Dr. Maria Smith

2017 -Present

Research Project: The light-nuclei spectra of chiral interactions

- Designed a program in C++ that analyzed light-nuclei spectra using Markov chain Monte-Carlo techniques to examine three-nucleon reactions
- Coordinated project personnel across three universities and one private corporation to manage deadlines and distribute project tasks
- Designed C# program to troubleshoot an instrument to calculate total production rates of light-spectra nuclei and validate those with experimental data
- Prepared monthly reports for cross project personnel

Research Experiences are listed in reverse chronological order and highlight relevant skills. The research project title and advisor are included. To highlight your skills, use an **action verb** + the **purpose** + the **result**.

University of Arizona, Department of Physics
Research Assistant to Dr. Maria Smith

2015-2017

Research Project: Atomic Trap Trace Analysis (ATTA)

- Developed laser linewidth measurement system in Java for the laser
- Wrote Python program to test and calibrate voltage amplification device to power Fabry-Perot interferometer
- Tested and improved photodiode circuit in interferometer to increase efficiency by 45%

Format: Important information on the left and dates on the right

The **footer** should include your name and the **page numbers**. Name the file with **YOUR last name**.

California Institute of Technology

Thesis Advisor: Dr. Jason Argyle

2013-2015

Senior Thesis: Condensed Matter Physics – Cathode Side of Lithium Batteries

- Used spray pyrolysis to measure surface area using the Brunauer, Emmett and Teller device
- Examined alternate powder synthesis pathways (flame vs heated reaction chamber) to make denser particles
- Improved production method to make denser particles to deliver higher density energy in battery

PROFESSIONAL EXPERIENCE

Summer Internship U.S. Environmental Protection Agency, Office of Air and Radiation, Washington, DC

Summer 2015

- Reviewed incoming data for anomalies
- Analyzed data for the National Environmental Radiation Monitoring (RadNet) System
- Created visualizations of data for policy reports in R

Professional experiences can indicate additional relevant experiences and skills. List your primary responsibilities and duties.

Relevant publications are listed in reverse chronological order. List only those that are relevant to this specific job as an indication of your written communication skills.

RELEVANT PUBLICATIONS (Use the documentation/style manual appropriate to your field)

Graemoer, Dakshin. In prep. Chiral field theory and one- and two-pion exchange.

Graemoer, Dakshin, Dee Lee* and Maria Armanda. 2018. Lattice simulations and chiral field theory. *Physical Review Letters*, 110(1):092603.

Graemoer, Dakshin. 2017. Chiral field theory and neutrinos double-beta decay. *Physics Reports* 245(3)08695.

List **relevant** local, national, and international **presentations** as they provide examples of your professional communication skills.

RELEVANT PRESENTATIONS

Graemoer, Dakshin. 2018. Chiral field theory and one- and two-pion exchange. American Physical Society.

Graemoer, Dakshin, Dee Lee* and Maria Smith. 2018. Lattice simulations and chiral field theory. American Physical Society

Graemoer, Dakshin. 2017. Chiral field theory and neutrinos double-beta decay. Fall Meeting of the American Physical Society Southwest Arizona

*indicates undergraduate author

Grants, Awards, Certificates, and Honors are listed in reverse chronological order and can indicate your ability to secure funding. Names that are not well recognized may require a brief explanation.

GRANTS, AWARDS, CERTIFICATES, AND HONORS

Certificate in College Teaching, Office of Instruction and Assessment, University of Arizona 2018

College of Science's Copernicus Award, Physics Department, University of Arizona 2017

Undergraduate Honors Fellowship - California Institute of Technology 2012

SKILLS Java, C#, C++, Python, R

Relevant Languages and Skills clearly identify specific areas of expertise. These should map to your research experience to provide context for your expertise.