

## Ian Hunt-Isaak

### Present Address

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### Education

B.A. in Physics, Oberlin College, Expected May 2017  
GPA 4.0 in major, 3.8 overall

### Research Experience

**REU** Rutgers Relativistic Heavy Ion Group, Rutgers University Summer 2015  
Under Assistant Professor, Sevil Salur

- Studied the Quark Gluon Plasma through Monte Carlo Simulation
- Improved a framework to run Monte Carlo Simulations
- Investigated the 3/2 Jet Ratio in Lead Ion Collisions

**Physics Research** Ijiri Lab, Oberlin College Jan. 2015-Present  
Under Professor, Yumi Ijiri

- Investigating the magnetic structure of Nano-Particles with Neutron Scattering
- Working on data Analysis and Interpretation
- Writing Scripts to increase speed of analysis

### Work and Teaching Experience

**ExCo Instructor** 3D Printing & Design, Oberlin College Fall 2015

- Developed a Course centered on 3D printing technologies
- Themes included building, using, maintaining printers and basic electronics

**Science Outreach** Oberlin Boys and Girls Club Sept. 2014- May 2015

- Co-Founded Science program for Boys and Girls Club
- Developed and ran interactive science demos for 3rd-5th grade students

**Tutoring** Oberlin College Fall 2014-Present

- Personal Tutor for High School IB math student

Hired by Oberlin College to tutor:  
Introductory and Multivariate Calculus, Introductory Economics, and Modern Physics.

**Counselor** Riverbend Environment Education Center Summer 2014

- Led groups of children in a team with a co-counselor
- Designed and implemented lesson plans

### Leadership Activities

**Treasurer and Director** OC3D Oberlin College 3D Printing Sept. 2015-Present

- Manage Club Accounts
- Increase Club Membership
- Organize Club Projects
- Involved in developing the OC3D space since Jan. 2014

### Presentations

**Presented poster entitled "Monte Carlo Investigations of Quark Gluon Plasma"**  
APS Division of Nuclear Physics Annual Meeting, Sante Fe NM, Oct. 29, 2015

**Presented 15-Minute talk and poster entitled "Monte Carlo Investigations  
of Quark Gluon Plasma"**

Oberlin College Celebration of Undergraduate Research, Oberlin OH, Oct. 2, 2015