

# Hasana Chaudry

[www.chaudryh.com](http://www.chaudryh.com)

50 Diaz Street, Iselin, NJ 08830  
(732)-589-9770 | hasanachaudry@gmail.com

## EDUCATION

**Bachelor of Science – Computer Science and Physics**

May 2018

**Bachelor of Arts – Mathematics**

**Minor – Religious Studies**

*Susquehanna University, Selinsgrove, PA*

## SOFTWARE/PROGRAMMING LANGUAGES

- |                  |             |              |             |
|------------------|-------------|--------------|-------------|
| • Python         | • Java      | • JavaScript | • HTML      |
| • C              | • C++       | • C#         | • CSS       |
| • PHP            | • MySQL     | • MATLAB     | • WordPress |
| • Visual Studios | • LoggerPro | • Latex      | • WebGL     |

## RELATED EXPERIENCE

**Web Developer/Business Manager, Valley Lodge, Selinsgrove, PA**

August 2013-Present

- Prepare paperwork and maintain income, expense, and inventory records.
- Manage marketing, advertisement, billing, taxes, etc.
- Represent the business in legal matters.
- Hire, fire, and train employees. Communicate with all third-party vendors (e.g. expedia.com).
- Helped create business website. Manage and update the business' website and social media accounts.

**Help-Desk Technician, Office of Information Technology-Susquehanna University**

May 2017-May 2018

- Answered calls, scheduled appointments, updated tickets, and managed equipment loans.
- Performed software updates, security configurations, and remote diagnostics on student/faculty devices.
- Secured wireless connections, configured devices to ensure compatibility with local network requirements.

**Physics Tutor, Physics Department-Susquehanna University**

September 2015-May 2018

- Met with students during designated times outside of class and office hours and helped answer questions related to courses such as Introduction to Astronomy, Introduction to Physics I & II, Newtonian Mechanics, and Thermodynamics and Stat Mechanics.

**Physics Programmer, Physics Department-Susquehanna University**

August 2017-December 2017

- Developed MATLAB code for mathematical problems in applied physics, specifically gravitational concepts and topics in variational calculus.
- Helped structure the class homework and programming assignments for Mathematical Physics.

**Computer Science Tutor, Computer Science Department-Susquehanna University**

May 2015-May 2018

- Python, Java, JavaScript, C, C++, HTML

**Research Assistant, Geisinger Medical Center/Susquehanna University**

May 2017-September 2017

- Performed data analysis on MRI data from Geisinger Hospital's Fornwalt Lab.
- Created a Graphical User Interface in MATLAB for plotting the MRI data points.
- Developed an algorithm that used skeletal and volumetric representations of the heart to segment both ventricles.
- Improved time efficiency and volumetric accuracy of the code to precisely map the blood flow and allow accurate diagnosis of diseases and heart conditions.

## **OTHER EXPERIENCE**

**Classroom Assistant**, *Snyder Union Mifflin Child Development (SUMCD), Inc*, Selinsgrove, PA August 2014-May 2018

- Manage children during classroom trips, group play, lunch, etc.
- Supervise and assist children during play, learning, and activities.
- Designed and carried out classroom activities and exercises.

**Shift Manager**, *Walmart Inc*, Woodbridge, NJ May 2016-September 2016

- Scheduled associate's/cashier's shifts and breaks.
- Handles customer requests/complaints.
- Ensured smooth transition between shifts.
- Calculated sales data at the beginning and end of shift.
- Communicated with other team members to ensure and improve the security of the front end of the store.

**Administrator**, *Ibn-e-Khaldun International School*, Islamabad, Pakistan January 2011-July 2013

- Managed students' records, and financial records.
- Scheduled classes, trips, and student events.
- Maintained staff, salary, inventory records.
- Contributed to a non-profit organization dedicated to educating underprivileged students.

## **CONFERENCES**

- **National Conference for Undergraduate Research** – presented. *Edmond, OK* April 2018
- **Susquehanna Valley Undergraduate Research Symposium** – presented. *Bloomsburg, PA* August 2017
- **Landmark Conference Summer Research Symposium** – presented. *Selinsgrove, PA* July 2017
- **IEEE International Symposium on Circuits and Systems** – attended. *Baltimore, MD* May 2017

## **LANGUAGES**

- **English, Urdu, Hindi, and Punjabi** – fluent
- **Arabic** – intermediate
- **Farsi** – basic

## **ACHIEVEMENTS**

- Dual degree, triple major
- Dean's List
- Presidential Scholarship
- Blessing Global Opportunities Scholarship

## **CAMPUS ACTIVITIES**

- **Muslim Student Association** – Secretary
- **Society of Physics Students** - Member
- **Better Together Interfaith Club** – Member
- **Asian Cultural Association** - Member
- **Hillel**- Member