

Hasana Chaudry

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EDUCATION

Bachelor of Science – Computer Science and Physics

May 2018

Bachelor of Arts – Mathematics

Minor – Religious Studies

Susquehanna University, Selinsgrove, PA

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).

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

May 2017-May 2018

- Answer calls, schedule appointments, update tickets, and manage equipment loans.
- Perform software updates, security configurations, and remote diagnostics on student/faculty devices
- Establish and secure wireless network connections, configure devices to ensure compatibility with local network requirements.

Academic Tutor, Physics Department-Susquehanna University

September 2015-May 2018

- Introduction to Astronomy
- Introduction to Physics I & II
- Newtonian Mechanics
- 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.

Academic 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.

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.

CAMPUS ACTIVITIES

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

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

SOFTWARE/PROGRAMMING LANGUAGES

- | | | |
|--------------------|-------------|------------------|
| • Python | • Java | • JavaScript |
| • C | • C++ | • HTML |
| • PHP | • MySQL | • MATLAB |
| • Microsoft Office | • LoggerPro | • Latex |
| • Arduino | • WebGL | • Visual Studios |

CONFERENCES

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