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

SOFTWARE/PROGRAMMING LANGUAGES

- Python
- C
- PHP
- Visual Studios

- Java
- C++
- MySQL
- LoggerPro

- JavaScript
- C#
- MATLAB
- Latex

- HTML
- CSS
- WordPress
- 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 Medial 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