‍‍Sandesh Timilsina

Albuquerque, New Mexico 87106. (662)497-4421. stimilsina@unm.edu

Education

**Bachelor of Science in Computer Science and Mathematics** Expected Dec 2020

The University of New Mexico (UNM), Albuquerque, NM **GPA 3.89**

Skills & Abilities

COMPUTER SKILLS

* Proficient in Java, C, Linux, Python, Haskell, HTML, CSS, JavaScript.
* Proficient in Microsoft Word, Excel, Acrobat, and Powerpoint
* Project completed using Java: Online Bank and Auction House(using sockets), Scrabble, Dominos, and NewyorkTimes Tile.
* Personal Website: [www.sandesht.com](http://www.sandesht.com)
* https://github.com/sandesh139

Professional Experience

UnderGraduAte Research assistant | Center FOR HIGH TECHNOLOGY MATERIAL, University of New mexico | August 2019- Current

* Evaluated the scaling behavior of Anderson localization in an off-diagonally disordered random network (nearest neighbor coupling Hamiltonian) using random matrices.
* Calculated the eigenvectors of ultra-large random matrices and evaluated two different localization metrics on the eigenvectors to calculate the proabability density function of network localization.
* Focused on optimizing algorithms to achieve the best efficiency and address memory issues in a large-scale linear algebra problem.
* The work was partially supported by grants from DoD, ARO and NSF.

Student technical Assistant | Center FOR HIGH TECHNOLOGY MATERIAL, University of New mexico | january 2020- Current

* Updated C scripts monitoring Symantec backup to adapt to a new Veritas system by reviewing logs and performing validation checks.
* Performed automated system monitoring using Nagios and fixed systems, services and hardware alerts.

Tutor | CENTER FOR ACADEMIC PROGRAM SUPPORT, University of New Mexico| january 2019 – JanUary 2020

* Tutored General Physics, Numerical Computing, Statistics, Ordinary Differential Equations, linear Algebra, and Calculus.
* Developed critical thinking and problem-solving skills while approaching the challenging questions brought by the students.
* Enhanced communication skills through weekly-training and tutoring experiences.
* Gained time management and customer service skills from training and experience.

Cashier| Subway, University of New Mexico| September 2018- December 2018

* Developed time management, customer service, and teamwork skills.

Volunteer | Nepal StudY Center, University of New Mexico| August 2018-December 2018

* Participated in discussions regarding use of Kaiterra laser egg for detecting air quality.

FACILITATOR | GANDHI Global Family, Kathmandu, Nepal | AuGust 2015- July 2016

* Assisted executives in an international NGO coordinating health care in rural areas of Nepal.
* Facilitated patient visits with medical staff and managed medical records.
* Handled accounts payable and other bookkeeping functions.