

Fatir Qureshi

107 11th Street, Troy, NY 12180
315-706-8492 | Fatir.Qureshi@uconn.edu

Education

Rensselaer Polytechnic Institute, Troy, NY
Doctoral Student in Biomedical Engineering

August 2018- Present

University of Connecticut, Storrs, CT
Master of Science, Biomedical Engineering
Concentration: Bioinformatics and Computational Biology
Cumulative GPA 3.93/4.0

August 2017- May 2018

University of Connecticut, Storrs, CT
Bachelor of Science, Biomedical Engineering
Minor: Computer Science and Engineering
Cumulative GPA 3.48/4.0

August 2013 - May 2017

Skills

Computer: Python, Matlab, Java, SolidWorks, R, SAS, Android Studio, and LabView
Laboratory: Tinius Olsen Stress Analysis, AnyBody Software
Languages: Hindi/Urdu

Research Experience

Bioarray Genetics, Farmington, CT

May 2018-July 2018

Bioinformatics Intern

- Managed clinical data collection, data cleaning, analysis, and reporting systems
- Implemented study-specific procedures that complied with regulatory and internal procedures for biomarker validation
- Identified inconsistencies and inefficiencies in processes and recommended solutions

University of Connecticut, Storrs, CT

October 2015-May 2018

Student Researcher

Health Informatics Laboratory, Jinbo lab

- Created programs to organize and preprocess genomics data using Python and Matlab
- Carried out association testing on cow genomics data provided by the USDA, which examined the relationship between phenotype traits quantifying feed efficiency
- Gained familiarity with genome analysis software and machine learning algorithms
- Processed substance abuse data and performed statistical analysis on a diverse range of biological datasets

Metrum Research Group, Bloomfield, CT

October 2016- May 2017

Student Development Team Member

- Utilized an AGILE based methodology for a software development project
- Designed a web parser algorithm which was capable of aggregating pharmaceutical product data
- Implemented R-Python handshake, and gained familiarity with Python libraries pyenchant, BeautifulSoup, Pandas, and Requests

Web Industries, Holliston, MA

Engineering Intern

May 2015-August 2015

- Tested the design of lateral flow immunoassay (LFI) tests by carrying out pressure and degradation analysis
- Created validation documents and carried out diagnostic tests on manufacturing equipment.
- Gained experience with creating FDA compliant document

Honors and Involvement

United Care and Family Services Health Clinic; Norwich, CT

Volunteer Intern

- As an intern at a relatively large health clinic, it was my responsibility to assist in the creation of documents for patient records
- Facilitated in the transition of paper to digital record keeping
- Assisted with caring for the elderly and disabled

UConn Humanity First Student Organization

Treasurer

- Founded chapter of a volunteer group devoted to assisting underdeveloped communities both locally and abroad.
- Increased campus presence and membership of HFSO at UConn
- Helped to raise funds through events for the construction of a water well project in Mali

Daily Campus Staff Writer

Member of Alpha Eta Mu Beta- Biomedical Engineering Honors Society

University of Connecticut Technology Incubation Partnership Fellow

