Jay Patel

Software Engineer Student

Personal Information

3.51 / 4.00

jay.r.patel2115@gmail.com

401-644-4251

linkedin.com/in/patel-jay

jayp0521.github.io

mlddd-ct.github.io

Skills

Python, MATLAB, Java, LabVIEW, Git, R, C#, HTML

Education

University of Connecticut

Storrs, CT

Aug 2017 – May 2020

B.S. in Engineering Computer Science & Biomedical Engineering

Software Development & Systems Biology

Awards and Activities

Achievements

Honor Roll (1st Year)

Dean List (1st Year)

EMBS Rookie of the Year

Extracurriculars

BAPS Fellowship (President)

Engineering World Health

Biomedical Engineer Society

Engineering in Med & Bio

Experience

Undergraduate Research Assistant — *Oct 2018 – Present*
University of Connecticut — *Storrs, CT*

- Developing innovative approaches to biochemical knowledge
- Collaborating with peers and researchers at several universities
- Exploiting knowledge derived from data for data development with AI algorithms and machine learning

Medical Clinic Assistant — *Jul 2017 – Aug 2017*
Brown University — *Providence, RI*

- Conducted tasks around the Diabetes & Endocrinology clinic
- Established a connection with diabetic patients, clerical work, and financial tasks
- Gained knowledge of medical concepts and human physiology
- Demonstrated knowledge in coding and bioinformatics

Undergraduate Research Assistant — *Jan 2018 – May 2018*
UConn Health — *Farmington, CT*

- Executed Western Blotting and QCM-D analysis
- Assessed the interaction of PRG-4 and other molecules
- Documented all experiments and authored a Standard Operating Procedure
- Contributed to the development of treatment for arthritis

Projects

Caesar Cipher/Decipher
- Python
- Object-Oriented Programming

Guessing Game
- LabVIEW
- Graphical Programming

Bioinformatics Algorithms
- Python
- Dynamic Programming

Audio Transmitter
- Circuits I
- Resistors, Capacitors, Laser, and Inductors

Ceiling Fan Model
- MATLAB
- 3-D Printing

PRG4 Report
- Quartz Crystal Microbalance

Interests

- Machine Learning
- Software Development
- Medical Informatics