

# Jay Patel

Software Engineer Student

## Personal Information

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[jayp0521.github.io](https://github.com/jayp0521)

[mlddd-ct.github.io](https://github.com/mlddd-ct)

## 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 (1<sup>st</sup> Year)

Dean List (1<sup>st</sup> Year)

EMBS Rookie of the Year

### Extracurriculars

BAPS Fellowship (President)

Engineering World Health

Biomedical Engineer Society

Engineering in Med & Bio

## Experience

### Undergraduate Research Assistant

University of Connecticut

Oct 2018 – Present

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

Brown University

Jul 2017 – Aug 2017

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

UConn Health

Jan 2018 – May 2018

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

### Audio Transmitter 🔗

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

### Guessing Game 🔗

- LabVIEW
- Graphical Programming

### Ceiling Fan Model

- MATLAB
- 3-D Printing

### Maze Runner 🔗

- Java
- Game

### PRG4 Report

- Quartz Crystal Microbalance

## Interests

- Machine Learning
- Software Development
- Medical Informatics