Jay Patel

Software Engineer Student

Personal Information

GPA: 3.64 / 4.00

CSE GPA: 3.77 / 4.00

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401-644-4251

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jayp0521.github.io

Skills

Python, Java, Keras, Angular, Django, HTML, Git, Unix, MATLAB, LabVIEW, R, C#

Education

University of Connecticut

Storrs, CT

Aug 2017 – May 2020

B.S. in Engineering Computer Science & Biomedical Engineering

Software Development & Bioinformatics

Awards and Activities

Achievements

Honor Roll (1st Year)

Dean's List (1st Year, 3rd Year)

EMBS Rookie of the Year

Extracurriculars

BAPS Fellowship (President)

Engineering World Health

Biomedical Engineer Society

Engineering in Med & Bio

Experience

Software Engineer / Machine Learning Intern — *May 2019 – Present*
Cigna — *Bloomfield, CT*

- Evolving the Front-End of a website using Angular
- Creating API using Django as the Back-End
- Hosting the application / website through AWS
- Implementing Agile Workflow using Rally

Infrastructure Automation Engineer Intern — *Jan 2019 – May 2019*
Cigna — *Bloomfield, CT*

- Developed APIs to automate the task of deleting servers
- Leveraged Python and its libraries to create the APIs
- Utilized Red Hat's OpenShift, Docket, GitLab, Redis, and more for CI/CD and to host the environment

Undergraduate Research Assistant — *Oct 2018 – May 2019*
University of Connecticut — *Storrs, CT*

- Developing an Image Classifier using Keras, Google Colab, PlaidML, and TensorFlow
- 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*

- Created a connection with diabetic patients and financial tasks while Diabetes & Endocrinology clinic
- 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*

- Performed Western Blotting and QCM-D analysis
- Contributed to the development of treatment for arthritis

Projects

Dog Breeds Classifier
- Python, OOP
- Keras, TensorFlow
- PlaidML, NumPy

Caesar Cipher/Decipher
- Python, OOP

Maze Runner
- Java
- Game

Audio Transmitter
- Resistors, Capacitors, Laser, and Inductors

Guessing Game
- LabVIEW
- Graphical Programming

Ceiling Fan Model
- MATLAB
- 3-D Printing

Interests

- Machine Learning
- Software Development
- Application Development
- Backend Development