

Himanshu Kattelu

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Links

Website:

<https://Hkattelu.github.io>

LinkedIn:

www.linkedin.com/in/himanshukattelu

Github:

<http://www.github.com/Hkattelu>

Technologies

Eclipse, 3DSMAX,
MATLAB, FFMPEG,
Sublime, Linux (Ubuntu)

Computer Languages

Java, HTML/CSS,
Javascript, LaTeX, Python

Spoken Languages

Conversational Hindi, Telugu,
Mandarin Chinese

Honors

CEAS Dean's List
Presidential Scholarship
Comp. Sci. Honors Program

Organizations

Stony Brook Computing Society,
PUSO, Irving Hall Council
(Secretary), Stony Brook Hula-hoop
Enthusiast's Club (Treasurer)

Interests

Big data analytics, Circus & Flow
Arts, Ballroom & Modern Dance

Education

State University of New York at Stony Brook, Stony Brook, NY

B.S in Computer Science expected May 2018,

B.S in Applied Mathematics and Statistics expected May 2018,

GPA: 3.79/4.0

Relevant Coursework: Object-Oriented Programming , Linear
Algebra, Data Analysis, Operations Research: Deterministic Models,
Finite Mathematical Structures, Foundations of Computer Science

Stuyvesant High School, New York, NY

Aug 2010 – June 2014

Graduated with advanced regents diploma

Project Experience

SpaceshipVR HackBU 2015

March 2015

- Worked in a team of 3 to make a 3D game similar to the mobile game "Space team", except utilizing motion and gesture sensing using the Myo armband and Oculus Rift.
- Created the environment in 3DSMAX and programmed parts of the game in Unity (C#).

StockData Analyzer PennApps 2015

May – August 2015

- A project that makes it easy to extract data from a MySQL database into MATLAB and run analytics such as calculating quantifiers and creating scatter plots.
- Ran functions and recorded data on several videos to improve runtime and accuracy.

Work Experience

Research Assistant Stony Brook University

May 2015 - Present

- Gained extensive experience using MATLAB for image and video processing to make an engine to search inside a video.
- Wrote many functions particularly involving HOG/SIFT comparisons, Dynamic time warping, and frame mapping. (Also used FFMPEG, vl_feat, voc-release5).

Student-Athlete Tutor Stony Brook University

Sept 2015 – Present

- Tutored Student Athletes in various Math subjects ranging from Algebra to Calculus 3.
- Wrote 20 individual reports each week (One per student) to track academic progress.

Teaching Assistant Ace Academy

July – Sept 2013

- Guided Math and English lessons, graded exams, and assisted in organizing field trips for a 4th grade class at a summer school.