

# Himanshu Kattelu

Himanshu.kattelu@stonybrook.edu | Hkattelu.github.io | (+1) 347-610-7246

## Links

Linkedin:/in/himanshukattelu  
Github: /Hkattelu

## Technologies

Eclipse, 3DSMAX, MATLAB,  
FFMPEG, Sublime text 2

## Computer Languages

Java, HTML/CSS,  
Javascript, LaTeX, Python

## Spoken Languages

Hindi(Conversational)  
Telugu(Conversational)  
Mandarin(Conversational)

## 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 (Secretary)

## Interests

Game development, 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: 3.88/4.0

Relevant Coursework: Object-Oriented Programming , Linear  
Algebra, Survey of Probability and Statistics, Finite Mathematical  
Structures, Foundations of Computer Science

*Stuyvesant High School, New York, NY*

*Aug 2010 – June 2014*

## Project Experience

**SpaceshipVR** HackBU 2015

*March 2015*

- Worked in a team of 3 to make a 3D game 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#).

**VidInspect** Stony Brook University

*May – August 2015*

- A compilation of image and video processing functions that I wrote in MATLAB as a Research assistant.
- 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 4<sup>th</sup> grade class at a summer school.
- Took the students to lunch every day and communicated with them.