

# Himanshu Kattelu

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## Links

Website:

<https://Hkattelu.github.io>

Linkedin:

[www.linkedin.com/in/himanshukattelu](http://www.linkedin.com/in/himanshukattelu)

Github:

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

## Software

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

## Computer Languages

Java, MATLAB,  
C, HTML/CSS,  
LaTeX, Python

## Spoken Languages

Fluent Telugu  
Conversational Hindi  
Conversational Mandarin

## Honors

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

## Organizations

Irving Hall Council - Secretary,  
Stony Brook Hula-hoop  
Enthusiast's club - Treasurer  
Stony Brook Computing Society

## 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, Deterministic Models, Finite Mathematical  
Structures, Systems Fundamentals, Theory of Computation

*Stuyvesant High School, New York, NY*

*Aug 2010 – June 2014*

Graduated with advanced regents diploma

## Project Experience

**SpaceshipVR** | HackBU

*March 2015*

- Worked in a team of three to make a virtual reality game similar to the mobile game "Space team"
- Created the environment in 3DSMAX and programmed parts of the game in Unity (C#)
- Overcame various hardware difficulties involving the Myo armband and Oculus rift headset

**CryptCoin** | Stony Brook University

*Oct - Dec 2015*

- Developed a cryptocurrency miner and transaction system following the specifications of the Bitcoin currency
- Analyzed the Bitcoin white paper and designed the system using various UML diagrams
- Prepared a webpage to display and explain details of the project to classmates

## Work Experience

**Student-Athlete Tutor** | Stony Brook University

*Sept 2015 – Dec 2015*

- 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
- Communicated with other tutors and coaches to develop better ways to teach students and improve their academic performance

**Research Assistant** | Stony Brook University

*May 2015 – Sept 2015*

- Gained extensive experience using MATLAB for image and video processing to make an engine to search inside a video
- Produced a function library to locate a GIF inside a video accounting for differing framerates, brightness, and video resolution
- Tested and improved the functions to maximize speed by using HOG/SIFT image comparisons, dynamic time warping, and frame mapping (Also used FFMPEG, vl\_feat, voc-release5)