

Abhishek K Modi

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EDUCATION

University of Illinois at Urbana –
Champaign

Pursuing B.S. Computer Science.
Expected May 2017

Dean's List – Fa 2013, Sp 2014

Coursework

Virtual Reality
Computational Photography
Machine Learning
Natural Language Processing
Algorithms & Models of Computation
Theory II (Advanced Algorithms)
Data Structures
Systems Programming

Skills

Comfortable Using

C++	C#	Swift	Java
Objective C		JavaScript	
Python		Ruby	

Familiar With

OpenCV	Rails
Flask	Matlab
Unity	SQL

Misc. Links

CrackMIT

github.com/MAKE-UIUC/CrackMIT
Cracking the HackMIT Entry Challenge.

CS 196 – 25

courses.engr.illinois.edu/cs19625/
The largest CS Honors course at UIUC

SIGVRST

www-s.acm.illinois.edu/sigvrst/
The VR Student Organization at UIUC.

EXPERIENCE

Researcher under David Forsyth

Summer 2015 - present

Building a system that helps users avoid obstacles around them while wearing a VR headset. Co-authored upcoming papers at CHI and UIST.

Researcher under Steven LaValle

Summer 2015 - present

Researching second language acquisition within experiences in Virtual Reality and building quickly deployable prototypes for this purpose.

Course Instructor for CS 196

Fall 2015 - present

Instructor of a class taken by 200 CS freshmen every semester, and directing a course staff of over 30 undergraduate course assistants.

Teaching Assistant for CS 498SL

Fall 2015 - present

Teaching assistant for the first Virtual Reality class at UIUC. Developing assignments and course content for a new class.

PROJECTS

Streampoint

github.com/MAKE-UIUC/MHacks-VI

A solution to help deliver impromptu presentations. Streampoint listens to what is being said at a presentation to dynamically generate relevant projector slides.

Built Using: Swift, Objective C, Python, JavaScript.

QuickMed

github.com/MAKE-UIUC/BHChi15

QuickMed aims to address the void of an aggregated repository of accurate and updated availability of medications in pharmacies around you.

Built Using: Swift, Objective C, Python, JavaScript.

Left 4 VR

github.com/wchill/Left4VR

A gaming peripheral for the Oculus Rift designed for FPS games. It involves a Nerf Gun and a glove to track the user's position and mirror it in the game.

Built Using: Python, SourceMod, C.

Devaform

github.com/modi95/devaform

A web app that simplifies setting up various popular developer environments into a single terminal command

Built Using: Ruby on Rails, JavaScript.

CAMPUS INVOLVEMENT

Chair of SIGVRST at ACM

Chair for the Virtual Reality Student Organization on campus.

Illini Hackers

Active Notable personal achievements at hackathons:
MHacks VI: LinkedIn + Stream Prizes | MHacks V: Finalist
BoilerMake 2014: Twilio Prize | WildHacks: IBM Prize