

# Shantanu Tulshibagwale

☎(408) 686-4294 • ✉tulshib2@illinois.edu • 🌐shantulshi.github.io

## Education:



### University of Illinois at Urbana Champaign

Bachelor of Science in Computer Science | James Honors Scholar

Expected **Dec 2018**

Tech GPA: **3.83/4**

#### Relevant Classes:

Data Structures (Honors)

Computer Architecture

Systems (Honors)

Languages and Compilers

Computer Security

Virtual Reality

Computational Linguistics

## Skills:

**Proficient in:** Java, Python, C++, C, Haskell, MIPS, Verilog, git, Android, Arduino

**Familiar with:** Unity3D (C#), Full Stack Web (HTML/CSS/JS, Django), Pebble Development;

## Experience:

**Software Engineering Intern at Jump Trading** Champaign, IL *September 2016 - present*

Developed configuration and testing tools for one of the leading private quant trading firms to develop a new Bitcoin trading platform, built for high performance, longevity, and extensibility.

**Machine Learning Intern at Ampool** Santa Clara, CA *May-August 2016*

Designed and implemented a user-facing API in Python and R for this Java-based in-memory database software. Built a machine learning use case to demonstrate the effectiveness of Ampool tech for handling high traffic.

My work won the company contracts with a leading CRM provider.

**Software Intern at Persistent Systems** Pune, India *June-August 2014*

Developed on the UI and Bluetooth connectivity parts of an Android app to collect, process and store data from medical devices, visualize the information, and transmit to a doctor.

## Projects:

**Moves Like Escher – Trippy Puzzling in VR** *September – December 2016*

VR puzzle game demo for the Oculus, in a world where space and gravity themselves warp!

My responsibilities: Game mechanics design, gravity scripts, Level 3 build, testing, (WIP) port to non-VR systems.

**Slapp - Information Exchange for Wearables** *September – December 2015*

App exchanges contact information with a high-five. Pitched and developed in CS 196 Honors at UIUC for Android, Android Wear, iOS, and Pebble.

My responsibilities: Team Leader, Web backend (Python/SQLAlchemy), Pebble app, Android Wear app.

**Fire Recognition and Extinguishment Device (F.R.E.D.) – Firefighting Robot** *June - July 2014*

Designed, built, and tested a firefighting robot, alongside two teammates, with pathfinding and world modeling.

My responsibilities: programming Arduino, heat detection array circuitry, building and wiring the chassis.

## Additional Experience:

**Course Staff for Virtual Reality** Champaign, IL *January 2017 - present*

**Treasurer at Chai Town Acapella** Champaign, IL *June 2016 – present*

Singer in an acapella group that tours the country every year, performing for thousands of fans.

Responsibilities: Managing finances for the group, getting funding, making final decisions on group purchases.

**Staff at HackIllinois** Champaign, IL *August 2015 – present*

Responsible for creating an application to effectively assign judges, an LED tent and working on a four-story LED 'I' logo, working on the floor during the event, and planning floor layouts for the largest hackathon in Illinois.

**Organizer at CS@Illinois Sail** Champaign, IL *January – August 2016*

Organizing an event for hundreds admitted high school seniors to sample a day in the life of a student in CS@Illinois in its second year running.