Shantanu Tulshibagwale

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

Education:

University of Illinois at Urbana Champaign	*Expected **Dec 2018***
*Bachelor of Science in Computer Science	James Honors Scholar*	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 helped Ampool win 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.