

# Shantanu Tulshibagwale

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## EDUCATION

### UNIVERSITY OF ILLINOIS AT EBAY | SOFTWARE ENGINEERING INTERN

#### B.S. IN COMPUTER SCIENCE

Expected Dec 2018 |  
Champaign-Urbana, IL

## LINKS

Github:// [ShanTulshi](#)  
LinkedIn:// [shantulshi](#)  
Instagram:// [shantulshi](#)  
Resume (PDF):// [goo.gl/Epzedo](#)

## COURSEWORK

Computer Security  
Computational Photography  
Web Development  
Computational Linguistics  
Cognitive Science  
Virtual Reality (Teaching Asst 2x)  
Algorithms  
Systems Programming  
Computer Architecture  
Data Structures

## SKILLS

**Skilled:**  
Java • Python • C++ • C • Haskell  
Javascript • git  
**Proficient:**  
Go • C# • CSS • Assembly •  $\text{\LaTeX}$   
Android • Docker • Kubernetes  
**Familiar:**  
Rust • MySQL • HTML • CSS

## INVOLVEMENT

Reflections|Projections  
Chai Town  
HackIllinois  
CS@Illinois SAIL  
Last updated on 28th August 2017

## EXPERIENCE

### MAY 2017 - AUGUST 2017 | SAN JOSE, CA

- Built monitoring application to aggregate metric data across infrastructure and services running on Kubernetes.
- Generated health scoring model to indicate whether a running application or hardware node is healthy.
- Contributing to Elastic's metric collection software, Metricbeat.

### JUMP TRADING | SOFTWARE ENGINEERING INTERN

September 2016 - May 2017 | Champaign, IL

- Worked on Jump's groundbreaking Bitcoin trading platform.
- Built configuration writing and testing tools for platform and model settings.
- Connected platform to exchange, wrote new, reusable TCP interface.

### AMPOOL.IO | SOFTWARE AND MACHINE LEARNING INTERN

May 2016 - August 2016 | Santa Clara, CA

- Ampool is an in-memory database, which enables real-time data processing.
- I helped create a client API in Java, then built connectors for Python and R.
- I created a movie recommendations engine example, a simple regression and clustering model using these connectors to demonstrate Ampool.
- My work helped Ampool win a contract with a leading CRM provider. Read more about my colleague's experience here: [goo.gl/vKxAaq](#)

## PROJECTS

### REFLECTIONS|PROJECTIONS API | R|P SYSTEMS LEAD

June 2017 - Present

- Leading the team responsible for software systems and services for Reflections|Projections, a conference at Illinois
- Building a variant of the HackIllinois API tailored to the conference, along with compatibility with typeform.

### BUILD-A-BOT WORKSHOP | CLASS TEACHER FOR CS@ILLINOIS SAIL

April 2017

- Taught class on building a Markov chain bot to high school students.
- Wrote codebase from scratch, with training data from Twitter and Reddit.
- All code is well-documented and easy to read, to facilitate students' learning.

### MOVES LIKE ESCHER | TRIPPY PUZZLING IN VR

September - December 2016

- Worked in a team to create this short VR puzzle game for Oculus Rift.
- Built a world where gravity and space itself warp!
- Personally worked on game mechanics, modified gravity, warped space, and built the third level.

### SLAPP | WEARABLE INFORMATION EXCHANGE

September - December 2015

- Led team to create an app for Android Wear and Pebble to exchange contact information with a high five.
- Worked on Android and Android Wear apps, as well as the web backend.