

# Andrew Tran

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Portfolio: <http://andrewtran634.github.io> | Github: <https://github.com/andrewtran634>

## EDUCATION

### University of Michigan

B.S. Computer Science, Minor Environmental Science

GPA 3.56/4.00

Ann Arbor, MI  
expected May 2017

## EXPERIENCE

### Vertafore

Software Operations Intern

East Lansing, MI  
May 2015 – Aug 2015

- Analyzed system health alerts generated as the result of invalid data coming in from bugs in production code. Analyzed data fix patterns and worked with development to find and fix root causes of bugs
- Utilized SQL and Pentaho Report Designer and Data Integration to automate customer and business report generation
- Developed scripts to detect the website downtime of Vertafore's partner, the National Insurance Producer Registry (NIPR). Service was pushed to the company's SolarWinds network monitoring dashboard

### University of Michigan Advanced Research Computing Technology Services

HPC Developer

Ann Arbor, MI  
Feb 2015 – April 2015

- Updated and tested system bash scripts on the university's High Performance Computing cluster to automate compute node reboots in the event of unauthorized user processes and user overuse of allocated memory

### Institute for Cyber Enabled Research (iCER), Michigan State University

Research Intern/Assistant

East Lansing, MI  
Jun 2014 – Aug 2014

- Designed and ran Python and Bash scripts to test and record computing node speeds on MSU's High Performance Computer's infiniband network.
- Developed Python scripts to collect data from my tests and display data in histogram representation, also wrote scripts to analyze collected data and identify potentially slow or faulty nodes

## PROJECTS (Can be referenced on Github)

**Portfolio Website** – Personal website. Used HTML5, CSS3, and JavaScript

**bside** – Web app for users wanting to find skate sessions happening in their area. Used Django, HTML5, CSS3, and JavaScript

**Skatelocal** – Web app to help users find skate shops, thus supporting local skate communities. Used Django, HTML5, CSS3, and JavaScript

**Post** – Minimalist blogging web app. Used Django, HTML5, CSS3, and JavaScript

## LEADERSHIP

### University of Michigan Housing – Bursley Hall

Resident Advisor

Ann Arbor, MI  
Aug 2015 – Present

- Mentor first year students in the navigation of university of life. Provide residents with resources they need to smoothly transition into their new environment and be successful
- Organize and host community building events in the hall

### Revolution Chinese Yoyo, University of Michigan

Choreographer

Ann Arbor, MI  
Sept 2013-Present

- Choreograph and perform with the Revolution Chinese Yoyo Team at the University of Michigan.
- Spread awareness of East Asian culture through performances not only in the Ann Arbor area, but throughout the greater Mid-West of the United States

## SKILLS

*Proficient:* C++, Python, Flask, Django, SQL, HTML5, CSS3, jQuery, JavaScript,

*Familiar:* Java, Node.js, MongoDB, Adobe Illustrator