

# Andrew Tran

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## EDUCATION

**Okemos High School**, Okemos, MI, May 2013

GPA 3.89/4.00

**B.S. in Computer Science**, University of Michigan, Ann Arbor, expected December 2016

GPA 3.56/4.00

## SKILLS

- Linux, Shell Script
- Java
- C++
- Python, Django
- HTML, CSS
- JavaScript, jQuery
- PHP, SQL
- Adobe Illustrator

## EXPERIENCE

**Resident Advisor**, University of Michigan Housing – Bursley Hall

**8/2015 – Present**

- Mentor first year students in the navigation of university of life, provide them with resources they need to smoothly transition into this new environment and be successful

**Software Operations Intern**, Vertafore

**5/2015 – 8/2015**

- Analyzed sys 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
- Worked with 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

**HPC Developer**, University of Michigan Advanced Research Computing Technology Services

**2/2015 – 4/2015**

Worked with the Advanced Research Computing team to update system bash scripts on the university's High Performance Computing cluster that would automate compute node reboots in the event of unauthorized user processes and user overuse of allocated memory

**Research Intern/Assistant**, Institute for Cyber Enabled Research (iCER), Michigan State University

**6/2014 - 8/2014**

- Designed and ran Python and Bash scripts to test 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
- Aided in the installation and up keeping of computing nodes in the High Performance Computing Machine Room

**Independent Web Development**

**7/2014 - Present**

- Experience in full stack development of applications for the web with Django, HTML, CSS, client-side Javascript and Adobe Illustrator
- Portfolio: <http://andrewtran634.github.io>, Github: <http://github.com/andrewtran634>

## ACTIVITIES

**Choreographer**, Revolution Chinese Yoyo, University of Michigan

**9/2013-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