

**Tyler Yasaka**

256-856-3131

[yasaka.tyler@gmail.com](mailto:yasaka.tyler@gmail.com)

<https://github.com/tyleryasaka>

## **Educational History**

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University of North Alabama, Florence, Alabama

Major: Computer Science  
Minor: Human Computer Interaction and User Experience (HCI/UX)  
Degree: B.S. May 2016  
GPA: 4.0

## **Skills**

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Programming Languages

- Javascript, Ruby, Python, C++, Prolog, PHP

Web Development Technologies

- EmberJS, NodeJS, Ruby on Rails, AngularJS, React, MySQL, MongoDB, HTML, CSS, SASS, Selenium

Software Development Tools

- Git, Unix Terminal, Vim, Heroku, CircleCI

Prototyping hardware

- Arduino, Raspberry Pi

## **Professional Experience**

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PartCycle Technologies, Florence, AL

Lead Developer, March 2016-Present

- Web development for e-commerce marketplace for recycled auto parts
- EmberJS, Ruby on Rails, Python/Django
- Integration with Stripe, Google Shopping
- Agile workflow, test-driven development, automated continuous delivery process

University of North Alabama, Florence, AL

Student Web Developer, October 2014-March 2016

- Web development for university website
- AngularJS, NodeJS, HTML, CSS, MySQL, MongoDB, PHP, Bootstrap
- Built custom applications including university calendar and announcement system

Dynetics Technical Services, Huntsville, AL

Software Development Intern, Summer 2015

- Developed and maintained internal web applications for NASA's Marshall Space Flight Center
- HTML, CSS, Javascript, jQuery, PHP, NodeJS, MySQL

## **Honors and Organizations**

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Summa Cum Laude Graduate, 2016

University of North Alabama Keller Key Recipient, 2016

Kappa Mu Epsilon Mathematics Honor Society, inducted 2015  
Secretary of Association for Computing Machinery, 2015-2016  
Diversity Student Ambassador, 2015-2016  
University of North Alabama Dean's List, 2012-2016  
Japanese University Meal Program, 2012-2013

## Research Experience

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University of North Alabama, Florence, AL  
Principal Investigator, 2015-2016

*Improving Learning With Simple Immersive Virtual Environments*

- Obtained a research grant to study possible relationships between virtual reality (using Head-Mounted Displays and noise-cancelling headphones) and learning in a distracting environment.
- Supervisor: Jason Watson, PhD

## Presentations

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**Yasaka, Tyler;** Marlar, Jonathan; Watson, Jason. *Improving Learning With Simple Immersive Virtual Environments*. Presented at the National Council on Undergraduate Research, Asheville, NC, 2016; University of North Alabama 3 Minute Thesis Competition; Florence, AL, 2016; and University of North Alabama Research Day, Florence, AL, 2016.

**Yasaka, Tyler.** *Robots! Demonstration of an Arduino-powered robot programmed to detect the edge of a table*. Presented at Shoals Big Idea, Florence, AL, 2015.