



# Mathew Ostrander

## Software Developer

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<https://github.com/MAOstrander>

### Tech Experience

2015-Present  
**Apprentice Developer**

#### Nashville Software School

- ◆ Six month, fast paced, full-time bootcamp in software engineering and web development.
- ◆ Designed and constructed front-end, back-end, and mobile solo projects as well as group projects using Git/Github.
- ◆ Learned the principles of Test Driven Development and the MVC pattern.

2008-2009  
**Matlab Teaching Assistant**

#### University of Alabama Birmingham: Engineering

- ◆ Taught Engineering Programming to students ages 18-30 in a classroom setting of 30-45 students
- ◆ Privately tutored 1 on 1 or in small groups

August 2008 - May 2009  
**Student Research Assistant**

#### University of Alabama Birmingham: Psychology

- ◆ Programmed Parallax microcontrollers in Pbasic
- ◆ Used microcontrollers to transmit and collect data in an independent research project
- ◆ Gave reports and presentations to a review committee and to general audiences

### Education

**2016** Graduate of Front End & MEAN Stack Development  
**Nashville Software School**

**2010** B.S in Biomedical Engineer (+Honors in Science & Technology)  
**University of Alabama-Birmingham**

### Work Experience

2013-2015  
**Engineer In Training**

#### L.I Smith & Associates

- ◆ Survey creation and drafting using CAD programs
- ◆ Led and supervised surveys, GPS data collection, soil studies, and concrete structural repairs.
- ◆ Worked with GIS and GPS data and polygon mapping

### Projects

#### StreetPass Relay Radar

[github.com/MAOstrander/relay-radar](https://github.com/MAOstrander/relay-radar)

A front end application using AngularJS, FireBase, and Google Maps to create a user generated map of gaming locations and a support community.

#### Denizen to Citizen

[github.com/MAOstrander/constructive-citizen](https://github.com/MAOstrander/constructive-citizen)

An application using NodeJS, Express, and Mongo to educate and help a person find the information they need to be able to understand their government and participate intelligently.

#### Arkham Adventure

[github.com/MAOstrander/Arkham-Adventure-App](https://github.com/MAOstrander/Arkham-Adventure-App)

A mobile app created in Ionic and ported over to the web for desktop use. Serves as a companion to a board game.

### Technologies

#### Back End Languages and Databases

Node.js	SQL/Postgres
Express	Matlab
MongoDB	C++

#### Testing Environments

Travis CI	Mocha
ESLint	Chai

#### Front End Development

JavaScript	HTML
jQuery	Jade
AngularJS	CSS

#### Mobile Development

Cordova	Ionic
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