# Mathew Ostrander

Software Developer

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https://github.com/MAOstrander

## Tech Experience

**2015-Present**
**Apprentice Developer**

**Nashville Software School**
- 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
- Graded tests and homework assignments
- Privately tutored 1 on 1 or in small groups

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

**University of Alabama Birmingham: Psychology**
- Programmed 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

## Dev Projects:

*StreetPass Relay Radar*
https://github.com/MAOstrander
*A front end application using AngularJS, FireBase, and Google Maps to create a user generated map of gaming locations and a support community.*

*Couch to Civic 101*
https://github.com/MAOstrander
*This was a full stack application using NodeJS, Express, Mongo, and AngularJS to educate and help any a-political person find the information they need to be able to understand their government and participate intelligently.*

*Arkham Adventure*
https://github.com/MAOstrander
*A mobile app created in Ionic and ported over to the web for desktop use as well to serve as a companion to a board game.*

## Technologies

*Frontend development*

| | |
|---|---|
| JavaScript | HTML |
| jQuery | Jade |
| AngularJS | CSS |

*Backend languages and databases*

| | |
|---|---|
| Node.js | Matlab |
| Express | C++ |
| MongoDB | |

*Mobile Development*

| | |
|---|---|
| Cordova | Ionic |

*Testing environments*

| | |
|---|---|
| Travis CI | Mocha |
| ESLint | Chai |