

# BRANDON JAMES BIELICKI

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## EDUCATION

### Michigan State University

Computer Science and Engineering GPA: 3.2

East Lansing, MI

Expected Grad. May 2016

## EMPLOYMENT HISTORY

### Student Programmer

MATRIX

East Lansing, MI

2013 - present

- Developer for internationally distributed android application to allow users to explore geolocation based exhibits
- Developer for KORA, a content Management system and publishing platform created by MATRIX
- Identified and improved inefficiencies and errors in advanced database search of 56,000+ items
- Creating and maintaining a cake-php project for collaborating resources for research in the humanities

### Lifeguard/Supervising Guard

Lifetime Fitness

Novi, MI

2011 - 2014

- Certified by Red Cross and trained in Lifeguarding, First Aid, CPR and AED for the first responder
- In charge of maintaining the aquatic center, as well as equipment and chemical balances

### Lifeguard/Supervising Guard

YMCA

Farmington, MI

2010 - 2013

- Certified by Ellis and Associates and trained in Lifeguarding, First Aid, CPR, AED, and rescue oxygen
- Responsible for responding to any emergency throughout the facilities and grounds

## TECHNICAL SKILLS

- |                       |               |          |                 |
|-----------------------|---------------|----------|-----------------|
| • HTML                | • CSS         | • PHP    | • SSH           |
| • Git                 | • Java        | • JQuery | • Ruby on Rails |
| • C++                 | • ASP.NET     | • SQL    | • Twitter API   |
| • Android Development | • RESTful API | • Python | • Linux         |

## PERSONAL PROJECTS

### Android Development

Real-time CATA Bus Map

April 2015-present

- Creating real-time GPS map for Michigan States Bus system, CATA
- Utilizing firebase, GTFS-RT, Protocol Buffers

### Web Development

Twitter Analytics

January 2015-present

- Creating web app to log and analyze a twitter user's feed to display the user's twitter habits

### Scripting

Auto-Enrollment

May 2015

- Created a script to auto enroll a student into a full class, the moment a seat is open, bypassing waitlist system
- Reverse engineered and replicated API calls

### Penetration Testing

Wireless Networks

December 2016

- Independently learning the protocols and processes of wireless networks
- Learning the vulnerabilities and ways to protect from attacks exploiting these vulnerabilities

## TEAM WORK

### Capstone

September 2015 - December 2015

- Developed a price comparison app using xamarin and a web platform for analytics
- Worked in a team of 5 to handle all aspects of a software development life cycle
- Built ASP.NET webservice to efficiently handle API calls and backend functions