EVAN MORAN

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Education:

Michigan State University (MSU), East Lansing, MI   Aug 2013 to Dec 2016

> *Major*: Computer Science – College of Engineering
> *Minor*: Mathematics – College of Natural Resources
> *Cumulative* GPA: 3.85/4.0

Professional Experience:

Software Developer (*BS&A Software*) Bath, Michigan   May 2015 to present

- Work as a software developer intern for a financial management company
- Developed new features and fixed bugs on a variety of desktop applications
- Conducted unit testing on core software features for a new website software suite and also used TDD for development
- Leveraged Microsoft SignalR library to enable server-pushed notifications for internal web framework
- Currently working on converting a property tax calculation from desktop to the web, used by 98% of cities in Michigan

Software Developer (*Michigan State University*) East Lansing, Michigan   Dec 2015 to present

- Worked on a team of 3 students to develop a course management web application from scratch
- Handle data flow through front and back-end, as well as manage RESTful APIs to be consumed by the client
- Mentor students on unit testing and functional programming
- Recently launched web application to be used by a classroom of 500+ students

Teaching Assistant (*Michigan State University*) East Lansing, Michigan   Aug 2013 to May 2015

- Taught recitation for an algebra class as well as tutored students in a variety of Mathematics courses
- Responsible for grading tests/quizzes as well as giving lectures about course material

Research Assistant (*Michigan State University*) East Lansing, Michigan   Dec 2013 to May 2015

- Worked on a team that researched different sorting algorithms and their efficiencies on brain waves taken from a lab rat
- Used various data mining clustering techniques to sort and research the most effective signal processing methods
- Worked primarily with MATLAB and employed parallel computing techniques to make tests run faster

Projects:

- **Amazon Shopping Assistant (Capstone in Computer Science):**
  - Working with Amazon on a team of four students to develop an Amazon shopping chat bot on messenger platforms
  - Serve as project manager, client contact and developer on the team
  - Using AWS technologies (Lambda, API Gateway, CodeCommit), WIT.AI, and Facebook messenger APIs
- **Yelp Big Data Analysis**
  - Completed a research project in a big data course that attempted to plot food ratings by county
  - Retrieved huge amounts of data from yelp and calculated average restaurant ratings by county
  - Used a map library to create a heat map of the average ratings
  - http://cse.msu.edu/~moraneva/cse491Project/
- **IdeaSource (Hackathon Project)**
  - Created a web application where users can input ideas for companies and their products in a centralized location
  - Companies can incentivize reviews by giving rewards to users with ideas that they find interesting or helpful

SKILLS/INTERESTS:

- **Programming Languages/Environments:** C#, JavaScript, PHP, C/C++, Java, MATLAB, Typescript, Node.js
- **Databases**: Microsoft SQL Server, MySQL, MongoDB (NoSQL)
- **Frameworks**: .NET, Laravel, Angular1, Angualr2, Knockout, Express, Hadoop

HONORS/AWARDS:

Dean's List (3 years running)
Honors College STATE Scholarship
Professional Assistantship Stipend
College of Engineering Scholarship
Crowe Chizek Endowed Scholarship

ACTIVITIES:

Math Tutor	August 2013 to May 2015
Research Assistant	August 2013 to May 2015
Competitive Programming Club	August 2013 to May 2015
Multiple Hackathons	March 2015 to present