Andrew Schmidt

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**Objective**

#### Seeking a full-time position in the discipline of software engineering with a focus on data science.

**Education**

**B.S., Computer Science conferred Dec 2018 Michigan State University, East Lansing, MI**

* GPA: 3.77
* Relevant Coursework: Algorithm Engineering, Database Systems, Linear Algebra,

Numerical Analysis, Software Design and Network Security

**M.S., Computer Science expected May 2020 Michigan State University, East Lansing, MI**

* Graduate Teaching Assistantfor Web App Development, and Object-Oriented Programming
* Relevant Coursework
  + Data Mining - Techniques and algorithms for knowledge discovery in databases
  + Natural Language Processing - Knowledge-based and statistical approaches to a variety of language related applications.

**Experience/Projects**

**Co-founder/CTO Mar 2019 – Present**

**Trove Labs LLC East Lansing, MI**

* Lead developer for mobile loyalty program and promotions platform
* Involved with product and system design and implementation including iOS/Android frontends, in-store Bluetooth Low Energy sensors, and Cloud Firestore NoSQL database
* Created React merchant dashboard for program creation, monitoring, and consumer analytics
* Utilized predictive modeling to analyze consumer trends and customize recommendations

**Software Engineer Intern Jan 2018 – May 2018**

**Michigan State University East Lansing, MI**

* Worked on a team of 5 students in MSU senior capstone course
* Designed and implemented anomaly detection module for client partner, MSUFCU
* Developed machine learning fraud detection module with Keras with Django dashboard

**Intern, IT May 2017 – August 2017**

**Centene Corporation Chesterfield, MO**

* Software developer for member experience application centered around big data analysis
* Delivered APIs which provided snapshot of member activities to determine course of action for customer service representatives
* Developed new RESTful APIs and expanded services of existing APIs using Spring
* Experience working on Agile scrum team

**Skills**

* Python, C++, Java
* Spring Boot Java, Spring Framework, Spring Web Services, Django, Docker, RESTful APIs
* Data mining: pre-processing, classification, clustering, regression, and anomaly detection
* Predictive modeling with scikit-learn, TensorFlow, and Keras
* SQL, NoSQL, Apache Spark, PySpark MLib
* Web Development with HTML, CSS, PHP, JS, ReactJS, Django
* Strong written and verbal communication skills

**Achievements**

* Awarded Alumni Distinguished Full Academic Scholarship to Michigan State University
* Founding father of Sigma Tau Gamma - Zeta Omicron chapter