Andrew Schmidt

4016 Harvest Meadow Drive Ph: (636) 300-7874

Saint Peters, MO 63376 schmi651@msu.edu

**Objective**

To secure a full-time position as a software engineer

**Education**

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

* GPA: 3.77
* Minor in Mathematics
* 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, Machine Learning, Artificial Intelligence, Computer

Vision, Natural Language Processing, Distributed Systems

**Experience/Projects**

**Co-founder/CTO Mar 2019 – Present**

**Trove Labs 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

**Co-founder/CTO Jan 2018 – Present**

**Genesis Investments East Lansing, MI**

* Lead developer for algorithm-based cryptocurrency and blockchain asset investment platform
* Designed and implemented data pipeline for automated trading algorithms using Cron Jobs and MySQL database
* Leveraged predictive modeling to create accurate forecasting of asset prices with Tensorflow
* Provide investors with transparent reporting by managing public fund with [Genesis Vision](https://genesis.vision/invest/funds/genesis-select-fund)

**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**

* Programming Languages: Python, C++, Java
* Spring Boot Java, Spring Framework, Spring Web Services, Docker, RESTful APIs
* Data Mining: pre-processing, classification, clustering, regression, and anomaly detection
* Predictive modeling with scikit-learn, TensorFlow, and Keras
* SQL and NoSQL database design and implementation
* 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