

# ANDREW SCHMIDT

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## 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 Assistant for 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](#)

**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