

# IVAN MORROW

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## EXPERIENCE

Belvedere Trading – Chicago, IL

September 2020 – Present

### Trading Systems Analyst

- Provide best-in-class production support for traders by resolving issues promptly, proactive monitoring with a goal of anticipating and avoiding issues before they occur, minimizing downtime and quick recovery from any incidents, answering questions/relaying feature requests, and providing the best possible trading experience
- Handle a wide variety of mission critical trading system issues with a sense of urgency in high pressure situations with composure
- Work to reduce recurring issues and improve the stability of the trading system by automating manual tasks, monitoring system components, and mining data in system logs
- Develop proprietary process automation and monitoring tools and leverage third-party technologies as appropriate (Splunk, Nagios, Grafana)
- Collaborate and communicate with traders, software engineers, QA's, quants, and members of product team to resolve and troubleshoot issues, escalating when necessary
- Investigate various trades made by our electronic trading systems and communicate with traders on the logic behind certain trades
- Support core market connectivity and correspond with exchanges regarding trade order activity, connectivity, and other related technical support issues
- Built various tools in Python to help monitor production systems and automate manual tasks whenever possible, frequently work with SQL scripts/databases and Linux operating systems/command line
- Build documentation for common procedures, troubleshooting scenarios and system architecture.
- Sole point of contact and on-call for any issues that may arise overnight (4 PM – 2 AM)

AEGON ASSET MANAGEMENT – Cedar Rapids, IA

July 2019 – July 2020

### Programmer Analyst Intern

- Member of Information Technology team with an agile development methodology focused on developing and testing software applications that meet requirements.
- Provide support of department's database systems and worked with relational databases like MySQL, Oracle, and SQL Server

COE COLLEGE – Cedar Rapids, IA

June 2018 – Aug 2018

### Undergraduate Research Assistant

- Member of research team working under Professor Ugur Akgun focused on creating AI software for a neutron detector applying machine learning
- Created software in Python with extensive use of Keras, Tensor Flow, MATLAB, and GEANT4.

## EDUCATION

COE COLLEGE, Cedar Rapids, IA  
**Bachelor of Science – (May 2020)**  
**Majors: Computer Science and Physics**

## SKILLS

Python | Splunk | C++ | C | Java | Git | JavaScript | Linux | Database Systems | SQL | Object Oriented Programming | Software Engineering | Data Structures & Algorithms