Jeffrey Moorhead

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Work Experience

- Compliance Programmer – Interactive Brokers (Oct. 2019 – Present)

  - Significantly increase regulatory reporting efficiency by designing and implementing systems in Python and Go to process data from Oracle databases as well as CSV and XML files for delivery to US and foreign government agencies

  - Improve code readability and maintainability by redesigning systems written in Perl and implementing them using object-oriented design patterns in Python

  - Facilitate relationships between Interactive Brokers and affiliated broker-dealers by automating and simplifying delivery of customer trading data, allowing for more efficient bookkeeping on both sides

- Software Development Specialist – Datacor, Inc. (Aug. 2018 – Oct. 2019)

  - Gained hands-on relational database experience by maintaining the Chempax C/S back end and by using SQL, Python, and Progress ABL to query data for reporting

  - Proactively implemented improvements to software with over 20,000 users worldwide

Education

- Drew University – B.A. in Mathematics, Magna Cum Laude (Aug. 2014 – May 2018)

  - Developed a full-scale e-commerce site using PHP and MySQL by implementing software development skills, including database design and object-oriented design, acquired through professional experience and theoretical course work

  - Developed web applications using web technologies including JavaScript, jQuery, Bootstrap, and Flask

  - Excelled in a graduate-level independent study covering advanced abstract algebra concepts including Field Theory and Galois Theory that culminated in a published article on the constructability of numbers

Technology Summary

- Expert proficiency in Python

- Advanced proficiency in Golang, PHP, JavaScript, Bash scripting, Oracle SQL

- Intermediate proficiency in Java