

Jeffrey Moorhead

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Work Experience

- Compliance Programmer – Interactive Brokers (Oct. 2019 – Present)
 - Design and implement six regulatory reporting systems handling millions of records daily in less than a year in Python and Go often with three weeks or less until go-live with a 100% on time record
 - Introduce the latest technologies and best-practices to legacy systems by redesigning projects written in Perl and implementing them using object-oriented design patterns in Python
 - Work directly with compliance analysts to automate and simplify delivery of customer trading data to affiliated broker dealers, allowing for significantly more efficient bookkeeping for both Interactive Brokers and the affiliated brokers
- 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)
 - Independently 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
 - Created professional-grade web applications using 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