Jeffrey Moorhead

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Work Experience

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

  - Spearhead the creation of a fully automated system to deliver customer trading data to affiliated broker dealers, allowing for cleaner bookkeeping for both Interactive Brokers and the affiliated brokers

  - Significantly boost efficiency of legacy systems by redesigning projects written in Perl 4 and implementing them using object-oriented design patterns in Python to allow new engineers to be able to maintain a modernized code base

  - 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

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

  - Enriched customer understanding of data by introducing new tools to the company, including Pandas, that allowed for more robust breakdowns of sales data, inventory allocation, and manufacturing information

  - Capitalized on my French language skills to foster a stronger relationship with French-Canadian clients, providing more comfortable and clear interactions

  - Proactively implemented over 50 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

  - 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