Jonathan Law

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EDUCATION

Bachelor of Science, Computer Science
Drexel University, Pennoni Honors College
Expected Graduation Date: 2020
Concentrations: Artificial Intelligence, Data Structures & Algorithms

SKILLS

Languages: Python, C++, SQL, HTML, CSS, Git, Regex, XPATH
Software: Visual Studio, Microsoft SQL Server Management Studio, Pycharm,
Microsoft Office, AutoCAD, AutoDesk Inventor, Atom, Linux Command Line

EXPERIENCE

Bloomberg LP   **Princeton, NJ**
Data Acquisition Co-Op   **September 2016 - March 2017**

- Leveraged Python and SQL to design and implement a solution for automating a manual process of comparing financial documents from multiple sources to determine a coefficient of similarity and flag duplicates, resulting in a weekly time savings of 35 hours for the team
- Designed, developed, and implemented automated webcrawling systems through the use of Bloomberg's propritary webcrawling software, XPath, and Regular Expressions
- Oversaw all quality control efforts for the webcrawling team's overseas vendors through reviewing code syntax, testing completed crawlers, and relaying constructive criticism back to the team when necessary
- Partnered with stakeholders in engineering and product management to successfully strategize, present, and action on a plan for migrating over 200 legacy Python and VBA programs to Bloomberg's proprietary systems

TECHNICAL PROJECTS

DragonSource   **Philadelphia, PA**
Developer   **February 2017 (Philly CodeFest 2017)**

- Developed a prototype for approximating the level of political bias in a given news story in comparison to similar stories through the use of Markov chains, machine learning
- Utilized Python to build programs to collect data from websites and web APIs to later be leveraged in the aforementioned machine learning algorithms
- Used APIs, web crawling to collect input data for learning algorithms
- Led project design, presentation to panel of judges

Activities and Professional Affiliations

Pi Nu Epsilon, Honors Music Fraternity, April 2017 - present
Drexel University Chorus, January 2016 - present
Knights of Columbus, March 2015- present