Matthew Demoy

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Technical Skills

Programming Technologies
- Javascript
- Markup Languages
- React
- Redux/Flux
- Object Oriented Programming
- Python w/ scikit-learn & Numpy

Development Environments
- Linux Terminal,
- Microsoft Visual Studio
- Android Studio
- Jupyter Notebook
- Visual Studio Code

Sustainability/Testing
- Splunk Analytics
- Jenkins
- Git
- .Net Unit Testing
- Confluence
- Jest
- Selenium

Team and Leadership Experience

University Of Massachusetts Lowell, MA
Research Software Developer   January 2019 – Present
- Lead researchers through the software development lifecycle of a multi-platform research system constructed in ES6 Javascript and the React Native Framework
- Achieved predictable UI behavior with Redux
- Created account networking features using a NoSQL backend in Google Firebase
- Ensured logic consistency through snapshot testing with the Jest Testing Framework

University Of Massachusetts Lowell, MA
Honors Research Thesis   May 2018-May 2019
- Applied state of the art natural language processing approaches(BERT, Multitask-Learning) to detect adverse drug reactions in twitter data
- Junctioned Twitter API and TextBlob to compose a state of the art social media corpora
- Organized weekly meetings with partners and orchestrated project benchmarks to inspire vigor in a year long project

TSYS/Cayan, Boston, MA
Computer Science Internship   June – August 2017
- Sustained Payment Platform solutions used by over 70,000 merchants in over one billion transactions
- Key bug fixes slashed real-time exceptions and errors by over 80%
- Enhanced security through automation testing and continuous deployment

Education

University of Massachusetts, Lowell, MA
B.S. in Computer Science, Minor in Mathematics - Graduated May 2019
- GPA: 3.375
- Dean's List