Daniel Lopez

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EDUCATION:

Penn State University – Erie, PA
Bachelor of Science in Computer Science   Aug 2014 – Apr 2019

EXPERIENCE:

Logistics Plus, Inc.   Apr 2019+
Remote Full Stack Engineer, LPSearch   **Elasticsearch | Docker | React | Typescript | GraphQL | Node.js**

- Work iteratively with client to design and develop a corporate search engine solution for a 250M+ yearly revenue company with 500+ employees and a flat organizational hierarchy
- Streamlined the process of discovering internal company capabilities and personnel with a Google-like search experience by consulting with client for their needs and expectations in an Agile workflow
- Integrated with Elasticsearch indexing for high performance and millisecond full-text query retrievals
- Used TS + React.js + Apollo GraphQL to build a maintainable and extensible UI with an intuitive UX
- Powerful TS + Node.js backend assures proper continuous data indexing and data quality assurance.
- Single-handedly design, develop, test, and orchestrate the production stack's deployment via Docker.

MochaWallet (*Startup*)   Sep 2019 – Mar 2020
Lead Full Stack Developer, Mocha   **Google Cloud | React Native | Typescript | Node.js**

- Designed and developed full-stack MVP with critical functionality to demonstrate to stakeholders.
- Architected multi-service system coordination to provide easy to use financial assistance to clients.
- Integrated data accessibility, integrity, and security into infrastructure and application designs
- Coordinate with banking APIs to provide seamless banking via the MochaWallet mobile app

Penn State University | Concurrent Technology, Inc.   Sep 2017 – Apr 2018
Project Leader, VideoClassifier   **Python | TensorFlow**

- Designed and developed a video analysis platform fulfilling client's requirements to provide actionable notifications of detected hazardous situations on live surveillance camera footage
- Enthusiastically explored uncharted territory to create a cloud-based system to analyze live video streams, with Amazon and Google releasing their own similar platforms concurrently
- Produced an award-winning documentation poster at Richard J. Fasenmyer design conference
- Coordinated team responsibilities and short-term goals to assure project deadlines were met
- Implemented an LSTM over a CNN to create a neural network for live video classification
- Retrained Google's Inception v3 CNN and LSTM model with 500+ hours of video
- Developed a secure multithreaded web platform for system access and management

Penn State University | Independent   May 2018+
Full Stack Developer, TensorExpert   **Python | TensorFlow**

- Created a complete platform providing a simple user interface for experimental neural-network design, creation, and testing with high-flexibility for hyperparameter tuning.
- Deployed a 24/7 agent for time-series data harvesting and RSS news feed collection onto a self-hosted InfluxDB or MongoDB database server.
- Implemented a multithreaded TensorFlow backend to power cloud-based dataset generation and visualization, along with model training and testing accessible from any browser.

LANGUAGES & FRAMEWORKS:

Python	C/C++	Docker	JavaScript	React.js
TensorFlow	Elasticsearch	InfluxDB	Typescript	Java/JWS