

Luis Norman

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PROFESSIONAL SUMMARY

Software Engineer with a strong analytical background and expertise on researching and developing server-side applications, predictive analytic systems, and helpful tools for internal or external use. Dedicated to developing efficient software and enabling users to have an exceptional experience through quality code and friendly interfaces.

EDUCATION

Purdue University

Hammond, IN

- Major: B.S.E Computer Engineering
- Minor: Computer Science
- Graduated: May 2018
- Major GPA: 3.31/4.00

EXPERIENCE

Silverwork Solutions LLC

Chicago, IL

Software Engineer

May 2018 – Present

- Develop and optimize **server-side applications** to help enhance the company's services.
- Integrate **machine learning tools** with applications to optimize performance.
- Build **cognitive robots** to automate internal and external services using **Python** and **RPA** tools.
- Deploy, maintain, and optimize software in **production** for thousands of users.
- Communicate tasks, status and results to company CEO and clients on a daily basis (**Agile Methodology**).

Purdue University - Center for Innovation through Visualization and Simulation

Hammond, IN

Undergraduate Research Engineer

August 2017 – May 2018

- Show proof of concept for integrating **deep learning** into the steel industry.
- Implement a **RNN** that detects anomalous furnace fan sensors using **TensorFlow** from the **Keras API**.
- Preprocess the sensor data using **Python**.
- Document and report findings to the U.S. Steel.

PERSONAL PROJECTS

- **Text Mining** customer reviews using a method of **Natural Language Processing - Sentiment Analysis**
- **Movie Recommendation Engine** using **Collaborative Filtering**
- Voting Poll **networking service** implemented in **Java** using **Datagram Sockets**

SKILLS

Languages

Java, Python, C/C++,
HTML, CSS, Ruby, JavaScript

Database Management

PostgreSQL, MySQL, MongoDB,
DynamoDB, SQL Server

Development

RESTful, Agile, Hibernate, JPA, JSP,
Threads, Unit & CI Testing, Node.js

Operating Systems

Processes, I/O Redirection,
Scheduling, Multi-Level Feedback

Machine Learning

Regression, Clustering, NLP,
Classification, Deep Learning

Data Science

Tableau, SSIS, ETL, Data Mining,
Modeling, and Visualization

Tools

Tomcat, Maven, Git, EC2,
S3, Debugging, Docker, JUnit

Editors + IDE's

Emacs, VIM, Eclipse, IntelliJ,
Sublime, Atom, NetBeans

Frameworks + Libraries

Django, AngularJS, JQuery, Rails,
Bootstrap, Spring, SciKit-Learn