

SEBASTIAN PEREZ

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EDUCATION

Northwestern University

Graduated, June 2017

B.S. in Computer Science, McCormick School of Engineering
Systems and Artificial Intelligence

EXPERIENCE

Denodo

July 2017 - Present

Software Engineer

Palo Alto, CA

- Architecting, designing and implementing features for Denodo's data virtualization platform
- Developing performant Java code while balancing the needs of disparate data sources
- Experiencing and learning the language of design patterns first hand
- Extensive experience writing tests using the TestNG framework

FashionSense

January 2017 - May 2017

Lead Software Developer

Evanston, IL

- Created a startup out of the Northwestern University Garage in order to provide deep learning powered fashion recommendations to the retailer
- Used Selenium to scrape images and assemble a labeled clothing dataset for use in neural net training
- Architected and a production Convolutional Neural Network for fashion-related computer vision
- Created API using Flask and Docker to serve up our models in accordance with restful conventions

Nuance Communication

June 2016 - September 2016

Software Developer Intern

Seattle, WA

- Played an integral role in a ground-up rebuild of the Nuance Developers portal
- Worked on a small agile development team that followed scrum principles
- Used Docker Compose to link Docker containers and build a flexible site based on the Microservices architecture
- Created containerized webapp that used NodeJs along with React and Flux
- Developed containers that used the Python web framework Tornado to create restful APIs that served up database resources

Northwestern University

April, 2016 - June, 2016

Research Assistant

Evanston, IL

- Researched automatic detection of PHP vulnerabilities in WordPress extensions using Static Analysis

PROJECTS

Binary Classifier Convolutional Neural Network

- Using Google's Tensorflow framework architected a neural network from scratch that can achieve > 90% accuracy in classifying images to certain clothing categories

Rust Compression Project

- Learned Rust programming to create a threaded memory safe implementation of John the Ripper

TECHNICAL

Programming Languages

Python, Java, Rust, C++, JavaScript

Frameworks

NumPy, pandas, scikit-learn, Tensorflow, Flask, Node.js, React, Flux

Tools

Git, Jira, Docker

EXTRACURRICULARS

Supplies for Dreams

- Mentoring underprivileged youth while supplying them with constructive lesson plans and the supplies to carry them out

Peer Tutor

- Created and taught custom study plans to fellow students in need of academic tutoring