Esther S. Weon FULL-STACK ENGINEER & DATA SCIENTIST

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Full-stack software engineer of 4 years turned data scientist, looking for challenging & worthwhile machine-learning problems. Lover of tinkering in full-stack JavaScript, predicting the future with machine learning, & practicing Muay Thai.

SKILLS

DATA ANALYSIS   Python for data manipulation (pandas, numpy) & visualization (matplotlib, seaborn), statistical modeling (scipy, sklearn), & deep learning (Keras, TensorFlow); SQL; experiment design (A/B test)

MACHINE LEARNING   Supervised & unsupervised learning; deep learning with neural networks; NLP; Big Data

ENGINEERING   Full-stack engineer – HTML, CSS, React, React Native, Redux, Angular, D3.js, Node, Ruby on Rails, Python, MySQL, PostgreSQL, MongoDB

TECH TRAINING   Technical instructor & curriculum developer, tech conference & web dev meet-up speaker

PROJECTS

Supervised Learning Data Scientist, Employee Mental Health in US   bit.ly/supervised_notebook; bit.ly/supervised_slides
– *Python, numpy, pandas, matplotlib, sklearn, imblearn*
Predicting employees who seek mental health treatment at US companies using supervised learning techniques such as Logistic Regression (LASSO), Naive Bayes Classifier, Gradient Boosting Classifier, & Support Vector Classifier models.

Unsupervised Learning Data Scientist, Categorizing Mobile Applications   bit.ly/unsupervised_notebook
– *Python, numpy, pandas, matplotlib, sklearn, langdetect*
Finding yet-undetermined categories within a large dataset of mobile applications using unsupervised learning techniques such as K-Means, Mini-Batch K-Means, and Mean-Shift clustering models.

Deep Learning Data Scientist, Recognizing Produce Images   bit.ly/ds_deep_learning
– *Python, skimage, Keras, TensorFlow*
Implementing neural networks in Keras & TensorFlow to correctly categorize images of grocery produce

Full-Stack JavaScript Engineer, Jeopardy   bit.ly/jeopardy_backend / bit.ly/jeopardy_frontend
– *Using Node.js, React.js, mongoDB*
Creating a full-stack JavaScript web application inspired by the popular trivia game Jeopardy

EXPERIENCE

Full-Stack Software Engineer, Presence   **October 2014 - May 2017, March 2018 - June 2018**
- Consulted as full-stack software engineer & technical advisor on 15+ web & mobile projects for Toyota, Logitech, National Geographic, Ubisoft, & other tech clients
- Specialized in full-stack JavaScript, but worked in diverse tech stacks (Python / Django, Ruby on Rails, PHP, etc.)
- Followed Agile practices to lead sprint meetings, track priorities, manage task delegation, & plan feature roadmaps
- Collaborated with product managers, designers, data scientists, & fellow engineers to deliver robust applications

Full-Stack Web Development Instructor, General Assembly   **September 2017 - May 2018**
- Developed curriculum for 3 cohorts of Web Development Immersive students in full-stack web development (Node, Ruby on Rails, Angular, React, MongoDB, PostgreSQL)
- Led lectures on engineering concepts, workflow processes, & technical job hunt preparation
- Updated & managed updates & expansion to the Web Development Immersive curriculum
- Provided technical & qualitative feedback on student projects & portfolio

EDUCATION

Data Science Program, Focus on Machine Learning & Deep Learning   **Thinkful**
Full-Stack Software Engineering   **App Academy**
Full 4-Year Merit-Based Scholarship Recipient for Bachelor's Degree   **University of Southern California**