

ROBIN STRINGER

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SUMMARY

Software engineer skilled in Python, machine learning, data engineering and web development. Passionate about building effective machine learning models and responsive, scalable web applications.

Machine Learning

- Convolutional, LSTM and recurrent neural networks for computer vision, natural language and speech recognition
- Fast prototyping in Python using TensorFlow and Keras on GPU and AWS, Google Cloud
- Transfer learning using models such as ResNet, VGG, Inception

Web Development

- React/Redux and Angular front-end frameworks, Node.js and Go for back-end
- HTML5, CSS3, responsive, mobile-first design
- Bootstrap, Inkscape for layout and graphic design
- Webpack, Babel build tools, Git for version control, AWS, Google Cloud for deployment

Blockchain

- Developing skills in Go, Ethereum/Solidity and Hyperledger frameworks

RECENT PROJECTS

Speech Recognition – End-to-end speech recognition pipeline using feature extraction and deep learning

Sherlock Holmes Generator – Recurrent neural network to generate text mimicking Conan Doyle's classic novel

Dog Breed Detector – Convolutional neural network trained on GPU to discern dog breed in images

Extended Kalman Filter – Lidar and radar sensor fusion in C++ for movement prediction and pedestrian tracking

Advanced Road Lane Detection – Computer vision pipeline to detect lane lines from dashboard cameras

Behavioral Cloning – Trained a car to successfully drive autonomously around a track in a simulator

PROFESSIONAL EXPERIENCE

Accenture, Seattle, WA, Machine Learning Consultant, Jan. 2018 – Present

- Google Cloud Platform Professional Services Team
- Developing, testing and refining machine learning models
- Data engineering and visualizations

Web Developer, Seattle WA, Independent, Jan. 2016 — Dec. 2017

- Built sites using agile practices and rapid prototyping in collaboration with clients from wireframe to production while intensively studying statistics, data science and machine learning

Bloomberg News, New York, NY, Europe Editor, Aug. 2014 – June 2015

- Edited texts from reporters in Central and Eastern Europe, monitored news wires in several languages
- Boosted 'win rate', a measure of breaking news published before competing agencies, to more than 70%

Achilles International, New York, NY, Associate Director, Nov. 2012 – July 2014

- Coached and ran as guide for visually-impaired runners in marathons and triathlons
- Planned and executed logistics efforts for more than 30 athletes during race weekends across U.S.

Bloomberg News, London, U.K., New York, NY, Sao Paulo, Brazil, Reporter/Editor, Sept. 2006 – Aug. 2011

- Reported and edited world news in U.K.; UN and financial crisis in New York; elections and boom in Brazil

EDUCATION

Udacity – Artificial Intelligence Nanodegree

Coursera – Andrew Ng's Deep Learning Specialization (in progress)

University of Manchester, U.K. – Joint BA Hons Russian and French