website: rousselet.se

Gustave Rousselet

(+1)628-502-5962
gustave.rousselet@icloud.com

Relevant Work Experience

Data Science Intern **Nordnet Bank** **Winter 2017-current**

- Working with the following technologies: Jupyter Notebooks, Python, Kotlin. Working within cross-disciplinary teams using machine learning tools to improve customer experience. Built a recurrent neural network model and production environment to predict customer behavior.

Software Engineering Intern **Glue** **Winter 2016-Winter 2017**

- Software engineer working with the following technologies: Java , C# (ASP.NET). Built and deployed backend services. Java (Android), Swift and Objective C (iOS), JavaScript (React Native). Developed mobile apps in React Native, iOS and Android native apps. Python. Built data aggregation of user setup success rates.

Education

Stockholm, SE **KTH Royal Institute of Technology**

- BSc in Computer Science and Engineering & MSc in Machine Learning
- **Favorite Coursework:** Linear Algebra, Probability Theory and Statistics, Algorithms and Data structures, Numerical Methods, Parallel Programming, MV Calculus, Discrete Mathematics II, Regression Analysis, Machine Learning.
- GPA: 4.9/5

Stockholm, SE **Kungsholmens Gymnasium**

- Natural Sciences International Seciton (specialization in Mathematics)
- Courses: Natural Sciences + Mathematics specialisation courses
- GPA: 3.9/4

Technical Experience

Projects

- **GLM Regression model for insurance risk (2018)** Built a GLM model for pricing insurances of tractors for the insurance company If as a part of my course in Regression Analysis. Learned how to tune model parameters and analyse grouping techniques.

- **Machine Learning Flappy Bird (2017)** Built a machine learning version of Flappy Bird in Python using NumPy, SciKit Learn and Keras. Used game to generate input/output then trained a vanilla neural network to play autonomously. Eventually beat my high score.

- **Junction Hackathon Winner (2016)** Participated in Europe's biggest hackathon with over 2000 participant teams. Teamed up with 4 classmates from KTH and won the GE Energy challenge in the Intelligent Buildings track. Worked on backend developing machine learning for intelligent suggestions of electricity usage.

Languages and Technologies

- Git, Python, C++, Kotlin, Java, MATLAB, SQL, Scala, R, GoLang, JavaScript(React), Swift