

Chentian Jiang

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Durham, NC

Education

Duke University (2015-2019)
B.S. in Computer Science
Minor in Neuroscience
GPA: 3.59/4.00

Coursework:

- Design/Analysis of Algorithms
- Computer Architecture
- Discrete Math for Computer Science
- Introduction to Artificial Intelligence
- Probabilistic/Statistical Inference
- Linear Algebra and Applications

Experience

Uptake - Incoming Data Science Intern
June - August 2018 | Chicago, IL

Telenor - Research Intern (Analytics & AI Team)
June - July 2017 | Trondheim, Norway

- Improved the performance of a machine learning model that predicts customer responses from a noisy and unbalanced dataset
- Trained and evaluated (using Python) different deep learning models from research papers to address the problems of data imbalance and mixed feature types
- Delivered a formal presentation of results to senior researchers

Pauca Startup at Duke - Software Engineer
January - May 2017 | Durham, NC

- Engineered a social media iOS app from start (product brainstorming) to finish (published on the App Store)
- Developed several front-end components in Swift based on designer mockups

Skills

Knowledgeable

- Python (Jupyter, Pandas, NumPy, Scikit-learn, TensorFlow, Keras)

Comfortable

- R (data.table, ggplot2)
- Java
- HTML, CSS (Sass), Javascript
- Swift
- Git

Projects

Anomaly Detection for Bow Tie Drawings

A web app with a drawing canvas that recognizes whether the user's drawing is a typical bow tie drawing or an anomalous one. The model is an autoencoder built with Tensorflow and trained on Google's Quick, Draw! dataset. The server-side uses Flask (Python) and the client-side is implemented in HTML, CSS and JS.

Recommender System for GitHub Repositories

A collaborative filtering algorithm implemented in Python (NumPy) that recommends GitHub repositories based on a user's starred repositories. The dataset was created with the Requests library (Python) and GitHub's API.

Other

Duke Catalyst (Social/Pre-Professional Organization for Tech) - Professional Chair

Duke Badminton Club - Treasurer

 <https://chen10an.github.io>

 <https://github.com/chen10an>

 <https://linkedin.com/in/chentianj>