

Chentian Jiang

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Durham, NC

Education

Duke University (2015-2019)
B.S. in Computer Science
Minor in Neuroscience
GPA: 3.64/4.00

Coursework:

- Data Structures and Algorithms
- Computer Architecture
- Discrete Math for Computer Science
- Introduction to Artificial Intelligence
- Design/Analysis of Algorithms

Experience

Telenor - Research Intern

June - July 2017 | Trondheim, Norway

- Improved the performance of a deep learning model that predicts customer responses from a noisy and unbalanced dataset
- Experimented with different deep learning model architectures from research papers (using Tensorflow and Keras) 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 - Present 2017 | Durham, NC

- Developed several front-end components in Swift for a group-based social media app
- Reached out to the lead developer and product designer to implement/improve features based on feedback

Skills

Knowledgeable

- Python
- Java
- HTML, CSS (Sass)

Comfortable

- 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 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

 <https://chen10an.github.io>

 <https://github.com/chen10an>

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

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

Duke Badminton Club - Treasurer