

# HAIKANG DENG

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Apt 120-B

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## PROFILE

Have a passion for cutting-edge computer technologies, especially Deep Learning. Fond of natural sciences. Fluent in Chinese and English.

## EXPERIENCE

**Software Developer Intern, Data Intelligence Business Group, Lenovo;  
Beijing, China — 2021.5-2020.8**

Co-developed control chart and anomaly detection modules under Statistical Process Control. Performed model tuning and data grouping on Encoder-RNN model which detects anomaly of time-series data.

**Software Developer Intern, Zhongchao Credit Card Industry  
Development Co., Ltd. Hangzhou Blockchain Technology Research  
Institute; Hangzhou, China — 2020.7-2020.8**

Studied blockchain basics and Solidity; wrote an Ethereum smart contract on medical data management that utilized decentralization; deployed the smart contract to private chain network and created a user interface.

## PROJECTS & WORKS

- **Caption with Attention — 2021.7**

Built a CNN+LSTM model that captions images with attention  
<https://github.com/haikangdeng/CaptionWithAttention>

- **Spam Classifier with CNN and Embedding — 2021.4**

Trained a CNN and a word embedding specific to spam classification  
<https://github.com/haikangdeng/Spam-Classifier-with-CNN-and-Embedding>

- **MedicalLog — 2020.8**

Simulated medical data management using Ethereum smart contract  
<https://github.com/haikangdeng/MedicalLog.git>

## ACHIEVEMENTS

- **UNC Dean's List — 2019**

- **9th Place in China/27th Place Overall in AAPT Physics Bowl — 2018**

- **Top 5% of AMC 12, AIME Qualifier — 2018**

## EDUCATION

**University of North Carolina at Chapel Hill — B.S. 2019-Present**

**Major: Computer Science & Mathematics, GPA: 3.9+.**

## COURSE

Linear Algebra, Data Structures, Database, Algorithms and Analysis, Advanced Calculus, Machine Learning, NLP with Deep Learning.