



Certificate of Learning

THIS CERTIFICATE IS PRESENTED TO:

Baozhu Cai

has successfully completed with honor the self-learning course
Computer Systems: A Programmer's Perspective (3rd Edition) at the 32nd phase.

Specially awarded the completion of the learning certificate.

Open source supported by

2022-01-08

Datawhale

002803200047

Date:

Signature

Certificate No.





学习证书

THIS CERTIFICATE IS PRESENTED TO:

Baozhu Cai

于第三十二期《深入理解计算机系统》自组织学习中完成全部学习
特授予结营学习证书

开源支持方

2022-01-08

DATE

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SIGNATURE

002803200047

CERTIFICATE NO.