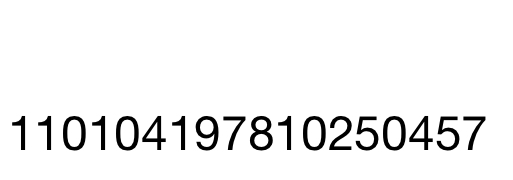
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学历：博士

专业：电子工程和计算机科学

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**工作简历或单位简介：**

种骥科博士，清华兼职教授，现任美国Acorns首席数据科学家. 之前，种骥科曾任职于宜人贷 (NYSE:YRD) 首席数据科学家，负责反欺诈风控和数字驱动的运营和创新。再之前，种骥科曾任职于美国Simply Hired招聘平台，创建了数据科学部， 并应邀为白宫科技办公室参谋大数据技术产品设计。还曾就职于美国Silver Lake 私募公司任Kraftwerk基金数据科学架构师，负责大数据技术在私募投资风控方面的应用。种骥科曾任美国卡内基梅隆大学教授与博士生导师，持有加州大学伯克利分校电子工程和计算机科学系博士学位，卡内基梅隆大学电子和计算机工程系硕士及本科学位，和10项美国专利(6项获准，4项待批)。

**参加的学术组织及任职情况**

现任清华大学交叉信息研究院兼职教授

**科研或教研项目经历**

曾任美国Carnegie Mellon大学兼职教授/博导

曾创建CUDA高性能计算研究中心和CUDA高性能计算教学中心，联任中心主任，编写并讲授高性能计算在机器学习中的应用研究生课程

现任清华大学交叉信息研究院兼职教授

编写并讲授清华大学“量化金融风控与欺诈分析”研究生课程

**科研或教学工作及获奖情况**

\*  Fellow, UC Berkeley Mayfield Fellowship 2009 (7 selected in Management of Technology Program)

\*  Elected Vice President of Graduate Engineering, Haas Entrepreneurs Association, 2009

\*  Fellow, Intel Foundation Ph.D. Fellowship, Intel Foundation, 2008/2009 (40 selected in US per year)

\*  Fellow and Team Lead, Berkeley China Fellowship, University of California, Berkeley, 2006-7

\*  Recipient, Nano-Technology Research Fellowship, University of California, Berkeley, 2004

\*  Recipient, E.M. Williams Award for superior scholastic achievement 2001, Carnegie Mellon University

\*  Recipient, David Tuma Award for outstanding undergraduate project, 2000, Carnegie Mellon University

\*  President, Eta Kappa Nu, National Honor Society of Electrical Engineering, 2000-2001

\*  Life-time Member of Tau Beta Pi, National Engineering Honor Society, since 2000

\*  Life-time Member, Chinese American Semiconductor Professional Association, since 2001

**著作方向**

互联网金融，机器学习，高性能计算，

**10项专利**

1. SYSTEMS AND METHODS FOR PROCESSING NUCLEIC ACID SEQUENCE DATA

Patent date: Issued Mar 21, 2017

Patent issuer and number: US 9600625

2. METHODS FOR HYBRID GPU/CPU DATA PROCESSING

Patent date: Issued Jan 31, 2017

Patent issuer and number: US 9558748

3. Utilizing Multiple Processing Units for Rapid Training of Hidden Markov Models

Patent date: Issued May 22, 2014

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4. Method and System for Parallel Statistical Inference on Highly Parallel Platforms

Patent date: Issued Oct 22, 2013

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5. Arbitration of window swap operations

Patent date: Issued Sep 16, 2008

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6. Apparatus and method for sharing a functional unit execution resource among a plurality of functional units

Patent date: Issued Apr 1, 2008

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7. An Anti-fraud Technique Using Long-term User Behavior

Patent date: Filed Feb 4, 2016

Patent issuer and number: cn 201610076202.3

8. TECHNIQUES FOR EFFICIENT IMPLEMENTATION OF BROWNIAN BRIDGE ALGORITHM ON SIMD PLATFORMS

Patent date: Filed Apr 1, 2010

Patent issuer and number: US20100082939

9. A Question and Answer Style Verification Code Based Anti-fraud Technique

Patent issuer and number: cn 201610927703.8

10. Deep Neural Network based Keyword Expansion for Content on a Job Search Engine

Patent issuer and number: us 62/088187

**主要著作出版情况**

**Computational Finance Related:**

Matthew Dixon, Thomas Bradley, **Jike Chong**, Kurt Keutzer, “Monte Carlo Based Financial Market Value-at-Risk Estimation on GPUs”, accepted book chapter in GPU Computing Gems, Vol 2, April 2011.

**Jike Chong,** Ekaterina Gonina, Kurt Keutzer, “Monte Carlo Methods”, 2nd Annual Conference on Parallel Programming Patterns (ParaPLoP'10), Carefree, AZ, March 30, 2010

Matthew Dixon, **Jike Chong**, Kurt Keutzer, “Acceleration of Market Value-at-Risk Estimation”, Workshop on High Performance Computing in Finance at Super Computing 2009, November 15, 2009.

**On Speech Recognition:**

Jungsuk Kim,  **Jike Chong**,  Ian Lane, “Efficient On-The-Fly Hypothesis Rescoring in a Hybrid GPU/CPU-based Large Vocabulary Continuous Speech Recognition Engine”, Interspeech 2012.

Senaka Buthpitiya, Ian R. Lane, **Jike Chong**: Rapid Training of Acoustic Models Using Graphics Processing Unit. INTERSPEECH 2011: 793-796

**Jike Chong**, Ekaterina Gonina, Kurt Keutzer, “Efficient Automatic Speech Recognition on the GPU”, Chapter in GPU Computing Gems Emerald Edition, Morgan Kaufmann, Vol. 1, February 9, 2011.

**Jike Chong,** Ekaterina Gonina, Kisun You, Kurt Keutzer, “Scalable Parallelization of Automatic Speech Recognition”, Invited book chapter in Scaling Up Machine Learning, an upcoming 2011 Cambridge University Press book.

Gerald Friedland, **Jike Chong,** Adam Janin, “Parallelizing Speaker-Attributed Speech Recognition for Meeting Browsing”, IEEE International Symposium on Multimedia, Taichung, Taiwan, December 13-15, 2010.

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**Jike Chong**, Gerald Friedland, Adam Janin, Nelson Morgan, Chris Oei, “Opportunities and Challenges of Parallelizing Speech Recognition”, 2nd USENIX Workshop on Hot Topics in Parallelism, June 14, 2010.

**Jike Chong,** Ekaterina Gonina, Kisun You, Kurt Keutzer, “Exploring Recognition Network Representations for Efficient Speech Inference on Highly Parallel Platforms”, Proceedings of the 11th Annual Conference of the International Speech Communication Association, 1489-1492, Chiba, Japan, 26-30 September 2010.

Dorothea Kolossa, **Jike Chong,** Steffen Zeiler, Kurt Keutzer, “Efficient Manycore CHMM Speech Recognition for Audiovisual and Multistream Data”, Proceedings of the 11th Annual Conference of the International Speech Communication Association, 2698-2701, Chiba, Japan, 26-30 September 2010.

Kisun You, **Jike Chong**, Youngmin Yi, Ekaterina Gonina, Christopher Hughes, Yen-Kuang Chen, Wonyong Sung, Kurt Keutzer, “Parallel Scalability in Speech Recognition: Inference engine in large vocabulary continuous speech recognition”, IEEE Signal Processing Magazine, vol. 26, no. 6, pp. 124-135, November 2009.

**Jike Chong**, Ekaterina Gonina, Youngmin Yi, Kurt Keutzer, “A Fully Data Parallel WFST-based Large Vocabulary Continuous Speech Recognition on a Graphics Processing Unit”, Proceeding of the 10th Annual Conference of the International Speech Communication Association (InterSpeech), page 1183 – 1186, September, 2009.

**Jike Chong**, Kisun You, Youngmin Yi, Ekaterina Gonina, Christopher Hughes, Wonyong Sung, Kurt Keutzer, “Scalable HMM-based Inference Engine in Large Vocabulary Continuous Speech Recognition”, IEEE International Conference on Multimedia & Expo (ICME), page 1797-1800, July, 2009.

**Jike Chong**, Youngmin Yi, Arlo Faria, Nadathur Satish, Kurt Keutzer, "Data-Parallel Large Vocabulary Continuous Speech Recognition on Graphics Processors", Proceedings of the 1st Annual Workshop on Emerging Applications and Many Core Architecture (EAMA), page 23-35, June 2008.

**Others:**

Lu Zheng, Ole J. Mengshoel, **Jike Chong**, “Belief Propagation by Message Passing in Junction Trees: Computing Each Message Faster Using GPU Parallelization.”, UAI 2011: 822-830

**Jike Chong**, “Pattern-Oriented Application Frameworks for Domain Experts to Effectively Utilize Highly Parallel Manycore Microprocessors”, Ph.D. Thesis, EECS Department, University of California, Berkeley, UCB/EECS-2010-158, December 15, 2010.

Michael Anderson, Bryan Catanzaro, **Jike Chong**, Ekaterina Gonina, Kurt Keutzer, Chai-Yue Lai, Matthew Moskewicz, Mark Murphy, Bor-Yiing Su, Narayanan Sundaram, “PALLAS: Mapping Applications onto Manycore”, Multiprocessor System-on-Chip: Hardware Design and Tool Integration (Chapter 4), Springer, pages 89-114, December 3 2010.

**Jike Chong**, Nadathur Satish, Bryan Catanzaro, Kaushik Ravindran, Kurt Keutzer, "Efficient Parallelization of H.264 Decoding with Macro Block Level Scheduling", ICME, July 2007.

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**作译者简介用于书号实名申领或者网站宣传，控制在50-1000字数之间**

种骥科博士专注于成长型产业的产学研跨界合作和产品创新。在产品策略，团队建设，新技术研发方面，他有着17年的学术和行业经验。

种骥科现任美国Acorns公司首席数据科学家和清华大学交叉信息研究院的兼职教授。在清华大学交叉信息研究院，他开创了一门“量化金融风控与欺诈分析”研究生课程。

种骥科曾任宜人贷首席数据科学家，创立了25人的数据科学部门，负责数字化运营和创新项目。其中创建的量化反欺诈项目已为宜人贷避免了每年两亿元的欺诈损失。在加入宜人贷之前，他曾在美国硅谷的SimplyHired招聘搜索引擎创建了数据科学团队，负责搜索结果的个性化，并应邀为美国白宫科技办公室参谋大数据技术产品设计。曾于美国Silver Lake私募公司任Kraftwerk基金数据科学架构师，负责大数据技术在私募投资风控方面的应用。

在学术方面，种骥科曾任美国卡内基梅隆大学兼职教授与博士生导师，开创了卡内基梅隆大学高性能计算研究教学中心，任联席总监。同时持有加州大学伯克利分校电子工程和计算机科学系博士学位，卡内基梅隆大学电子和计算机工程系硕士及学士学位。

在技术创新方面，他持有中美10项专利（6项获准，4项待批）。