CHAO PENG

IF-4.23, Informatics Forum, 10 Crichton Street, Edinburgh, EH8 9AB, United Kingdom

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EDUCATION

Doctor of Philosophy in Informatics: LFCS: Foundations of Computer Science, Databases, Software & Systems Modelling September 2017 - In progress

The University of Edinburgh, UK Supervised by Dr. Ajitha Rajan

Research interest includes:

Massively Parallel Architectures and Programming

Code Coverage Metrics for GPU Programs

Automated test case generation, reduction and execution.

Master of Science in High Performance of Computing September 2016 - August 2017

The University of Edinburgh, UK

This programme provides me a thorough grounding in HPC technologies together with a practical understanding of the key ideas and techniques of data science and the HPC tools that underpin them. Courses include Massage-passing Programming, Threaded Programming, Data Analytics with HPC, Parallel Design Patterns, HPC Architectures, etc.

Bachelor of Engineering in Computer Science and Technology September 2012 - June 2016

Xuzhou University of Technology, China

Learned both general basic courses like advanced mathematics, linear algebra, Probability & Statistics and major basic courses such as Date Structure, Principles of Computer Organisation, Principles of Computer Network, Operating System. Trained practical skills such as C/C++ and Java Programming, Object-oriented design and Software Engineering.

RESEARCH PUBLICATION

Chao Peng, Ajitha Rajan. *CLTestCheck: Measuring Test Effectiveness for GPU Kernels.* In proceedings of the 22nd International Conference on Fundamental Approaches to Software Engineering (FASE 2019) (part of The European Joint Conferences on Theory and Practice of Software (ETAPS)) To appear in April 2019

SERVICE

Reviewer ICSE 2019 SEIP (Software Engineering in Practice) Track

SKILLS

Languages	Mandarin Chinese - Native
	English - Proficient
	German - Basic
Technical Skills	Programming languages: C/C++, Java, Fortran, Python
	Parallel programming: OpenMP, MPI, OpenCL
Tools	LaTeX, Git

TEACHING EXPERIENCE

Software Testing 01/18 - 04/18, 01/19 - 04/19

Teaching Assistant, Tutor and Marker *School of Informatics, University of Edinburgh*

Computer Programming Skills and Concepts 11/17 - 12/17, 12/18 - 01/19

Marker *School of Informatics, University of Edinburgh*

Introduction to Java Programming 09/17 - 12/17, 09/18 - 12/18

Demonstrator *School of Informatics, University of Edinburgh*

SCHOLARSHIPS & HONOURS

- Huawei Scholarship (fully-funded PhD scholarship) 04/17
- Outstanding Graduate Scholarship at Xuzhou University of Technology 06/16
- China National Scholarship of 2014/15 Academic Year 11/15
- China National Encouragement Scholarship of 2013/14 Academic Year 11/14
- China National Scholarship of 2012/13 Academic Year 11/13
- Nomination for Teaching Awards: Best Student Who Tutors Award 02/18
- Certificate of Achievement for Participating in the 6th Annual HPCAC Student Cluster Competition 06/17
- Distinct Graduate of Xuzhou University of Technology 06/16
- Ten Role Models of Study at Xuzhou University of Technology 03/16
- Jiangsu Province-level Excellent Student Cadre 05/15

EXTRA-CURRICULAR & VOLUNTEER EXPERIENCE

- Volunteer and demonstrator at drop-in event What can supercomputers do at Edinburgh International Science Festival 13/04/17-15/04/17
- Key volunteer of the 18th Sports Meeting of Jiangsu Province 09/13-09/14
- President of the Student Union of School of Information & Electrical Engineering, Xuzhou University of Technology 12/14-12/15