

Damien Michael CARVER

As PhD student in C.S., I study Operating System Level Virtualization as a means of improving resource utilization. I have shown that the Linux kernel cannot consolidate the memory of inactive containers without disturbing the services of active containers. My kernel patches aim at detecting memory activities to prevent consolidation errors.

PERSONAL DATA

NATIONALITY AND DATE OF BIRTH: Mauritian | 22 May 1991
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PUBLICATION

OCT 2017 ACDC: advanced consolidation for dynamic containers
in 16th IEEE International Symposium on Network Computing and Applications, NCA'17,
Cambridge, MA, USA, October 30 - November 1, 2017, 2017, pp. 253–260.

TEACHING

Dec 2017 Container Virtualization 12 Hours, 30 students, Master 2nd year, UPMC

WORK EXPERIENCE

DEC 2014	Software Engineer at AGENCY DIGITAL, Paris
CURRENTLY	Moving Agency's infrastructure towards Container Virtualization.
FEB 2016	Internship Supervisor Assistant
JUN 2016	Fighting Memory Fragmentation caused by Virtualization using Linux default distance.
APR 2014	Intern at TOTAL E&P R&T, Houston
AUG 2014	Prototyped an I/O scheduling algorithm using <i>Graph of Tasks Programming Models</i> and contributed to software development.

EDUCATION

APRIL 2015	PhD Student at LIP6 INRIA, Paris
CURRENTLY	Improving the memory consolidation of the Linux kernel cgroup feature.
SEP 2012	M.S. in COMPUTER SCIENCE, University of Pierre and Marie Curie, Paris
AUG 2014	Major: <i>Distributed Systems and Applications</i> Good Grade
SEP 2009	B.S. in COMPUTER SCIENCE, University of Pierre and Marie Curie, Paris
AUG 2012	Majors: <i>Computer Science</i> and <i>Applied Mathematics</i> Good Grade

LANGUAGES

ENGLISH: Fluent, [CLES B2](#) FRENCH: Mother tongue

INTERESTS AND ACTIVITIES

Roller and Ice Skating, Running, Hiking, Video Gaming.