

TIMOTHY CEREXHE, PH.D.

tim@timothyc.info
<https://timothyc.info>

EDUCATION

Doctorate of Philosophy in Artificial Intelligence

Thesis: Exploiting Latent Structure in AI Languages

University of New South Wales (2010–2017)

Supervisors: Prof. Maurice Pagnucco and Prof. Michael Thielscher

Bachelor of Science (First Class Honours) in Computer Science

University of New South Wales (2006–2009)

RESEARCH GRANTS AND FUNDING

Australian Postgraduate Award (APA), UNSW Engineering top-up scholarship.

TECHNICAL FAMILIARITY

Java, C, C++, C#, Javascript/node.js, React/Angular/Ionic, CSS/SCSS, L^AT_EX,
Python/SciPy, R/Octave/Maple, Spark/Hadoop/Rocks/Condor,
AWS/GCP/Terraform, ElasticSearch/Kinesis, Shell scripting

WORK EXPERIENCE

Systems Software Engineer — Ghost Locomotion, Inc. (2019–present)

Building and optimising big data pipelines for processing and machine learning.

Senior Software Engineer — Atlassian, Inc. (2017–2019)

Engineer with special R&D focus on Portfolio for Jira's patented scheduling algorithm.

Senior Software Engineer — Helix Collective Pty. Ltd. (2013–2017)

Mercenary software engineering services, from cradle-to-grave.

RESEARCH EXPERIENCE

Linkage Project with University of Potsdam, Germany

Linkage Project (July 2012), Prof. Michael Thielscher and Prof. Torsten Schaub

Introducing Jolog: an Object-Oriented Cognitive Robotics Language

Honours Thesis (2009), Supervisor: Prof. Maurice Pagnucco

Controlling Virtual Characters using Artificial Intelligence

Taste of Research Scholarship (Summer 2008–2009)

Belief Merging for Product Recommendation

UNSW Summer Scholarship (Summer 2007–2008)

Casual Academic/Course Tutor

University of New South Wales (2007–2013)

PUBLICATIONS

Conferences: ECAI-14, PRICAI-14, LPNMR-13, GIGA-13, AAAI-12, AusAI-11