Kevin Godin-Dubois

A-Life researcher on cognition evolution

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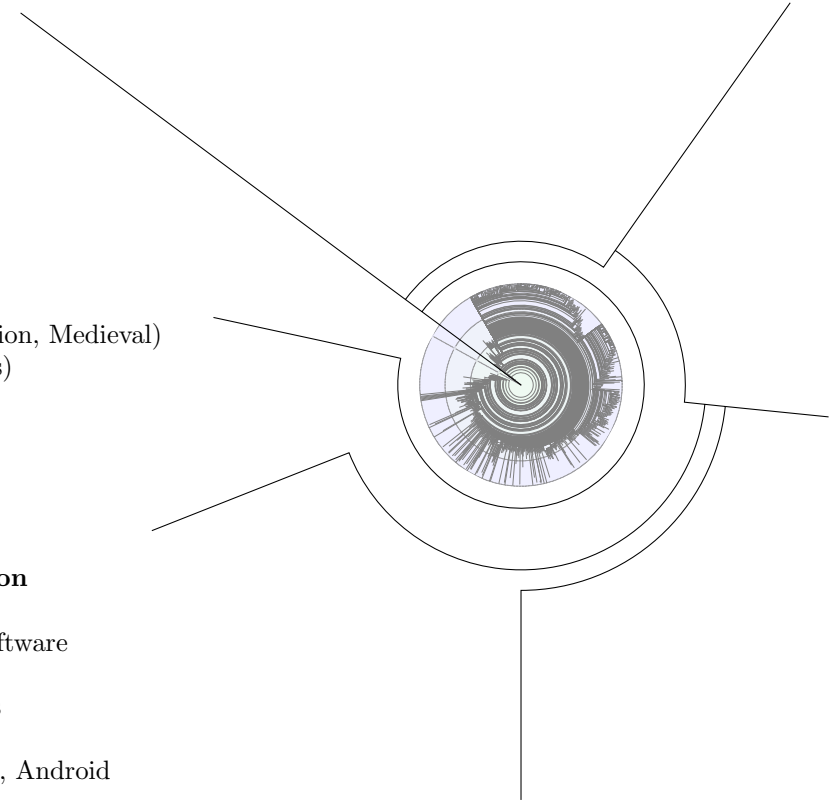
Up-to date version

Education

2016-Present - Capitole University, Toulouse
PhD thesis, *"Environment driven speciation"*
Investigated how complexification of artificial creatures could be further enhanced by moving the control apparatus around the abiotic component of an ecosystem

2014-2016 - Paul Sabatier University, Toulouse
Master's degree in Computer Science
Artificial intelligence: mathematical models and training methods

2011-2014 - Paul Sabatier University, Toulouse
Bachelor's degree in Computer Science



Miscellaneous

Spoken Languages
French (mother tongue)
English (fluent)

Hobbies
Tabletop RPG
Reading (Carlton Mellick III, Science Fiction, Medieval)
Music (Metal, Classical, Hard Rock, OSTs)
Video games (Construction, Puzzle, RPG)

Computing Skills

Languages
- C++
- C, Java
- Python

Processing
- Gnuplot
- Octave/Matlab

Redaction
- LaTeX
- Office Software

Systems
- Linux
- Windows, Android

Professional Experience

2016-Present - Teachings
- 2017 & 2018, Capitole University, Toulouse
  - L2 Excel and Visual Basic for Applications
  - L2 Algorithms and Visual Basic
  - L3 Modeling in Database
- 2016 & 2017, Paul Sabatier University
  - L2 project monitoring on C programming

2016 - Internship IRIT, France
Toulouse Research Institute on Computer Science
"Rule-based artificial embryogenesis in a complex 3D environment"
Deployed rule-based genomes on the MecaCell platform to study artificial plant growth and cell specialization.

2015 - Internship IRIT, France
"Comparison of different evolutionary approaches, an application to the GECCO 2015 challenge"
Performed a performance comparison (accuracy, efficiency) between Artificial Neural and Genetic Regulatory Networks on the 2015 GECCO temperature prediction challenge data.

Publications and Conferences

- Kevin Godin-Dubois et al. "Speciation under Changing Environments". In: *The 2019 Conference on Artificial Life*. 2019, to appear
- Kevin Godin-Dubois et al. "Self-sustainability Challenges of Plants Colonization Strategies in Virtual 3D Environments". In: *Applications of Evolutionary Computation*. Ed. by Paul Kaufmann et al. Cham: Springer International Publishing, 2019, pp. 377–392
- Poster presentation "Studying long term interactions between plants and their environment" at The 2018 Conference on Artificial Life
- Kevin Dubois et al. "Towards an Artificial Polytrophic Ecosystem". In: *Morphogenetic Engineering Workshop, at the European Conference on Artificial Life (ECAL) 2017 September 4*. 2017