

Rutger Broekhoff

MFoCS Student

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Nijmegen, Netherlands

Education

- Sep 2024** M.S. Computing Science (English-taught), *Radboud University*, Nijmegen (NL)
– **now** Specialization in *Mathematical Foundations of Computer Science*
- Sep 2021** B.S. Computing Science (English-taught), *Radboud University*, Nijmegen (NL)
– **Jun 2024** Specialization in *Software Science & Cyber Security*, extra courses in *Data Science*
Thesis subject: *Formally defining the semantics for the Nix expression language*
Graduated *cum laude* with a 9.5 thesis grade
- 2015** Gymnasium (VWO), *Calvin College*, Goes (NL)
– **2021** Specialization in *Natural Sciences* (NT + NG)

Publications

- 2025** Rutger Broekhoff and Robbert Krebbers
Verified Interpreters for Dynamic Languages with Applications to the Nix Expression Language
To appear in the ACM SIGPLAN International Conference on Functional Programming (ICFP)

Professional Experience

- Dec 2018** Software Developer, *Profects*, Kapelle (NL), *Part-time, Hybrid*
– **now** Backend in Go; Kubernetes DevOps and GitOps (Helm, Helmfile, Flux)

Awards

- 2021** 3i Award (Dutch Computer Science final secondary/high school project):
Second place (VWO) and *public favorite* (VWO) for *Timeterm*
Project in collaboration with Kees Blok and Robert van der Maas

Volunteer Work

- Oct 2022** Education Committee Member, *Study Association Thalia*, Nijmegen (NL)
– **now** Chair: *June 25, 2023 – September 2, 2024*
Main organizer of the technical infrastructure for the *Nijmegen BAPC preliminaries*
(transitively an ICPC preliminary) in 2023 and 2024
Assisted with the organization of the 2023 *Thalia Performance Optimization* symposium

Skills

- Languages** Native in Dutch, proficient in English, limited (but relatively fluent) in German