

Xueying Qin | Curriculum Vitae

Campusvej 55 – 5230 Odense, Denmark

📄 <https://xyunknown.github.io>

Current Position

University of Southern Denmark

Postdoc

PI: Fabrizio Montesi

Odense

2024–Present

Education

University of Edinburgh

PhD., School of Informatics

Principal Supervisor: Michel Steuwer

Thesis: Studies Concerning the Meaning of Computer Programs: Formal Specifications and Implementations, Monolithic and Distributed Programs, and the Semantics of Syntactic Transformations

Edinburgh

2020–2024

University of Glasgow

BSc Hons. (First Class), Computing Science (Faster Route)

Dissertation: Proving the Correctness of Rewrite Rules in LIFT's Rewrite-Based System

Glasgow

2017–2020

Publications

Shoggoth: A Formal Foundation for Strategic Rewriting

Xueying Qin, Liam O'Connor, Rob van Glabbeek, Peter Höfner, Ohad Kammar, Michel Steuwer

POPL

2024

Primrose: Selecting Container Data Types by Their Properties

Xueying Qin, Liam O'Connor, Michel Steuwer

⟨Programming⟩

2023

Achieving High Performance the Functional Way:

Expressing High-Performance Optimizations as Rewrite Strategies

Bastian Hagedorn, Johannes Lenfers, Thomas Kœhler, Xueying Qin, Sergei Gorlatch, Michel Steuwer

CACM

2023

Achieving high-performance the functional way:

a functional pearl on expressing high-performance optimizations as rewrite strategies

Bastian Hagedorn, Johannes Lenfers, Thomas Kœhler, Xueying Qin, Sergei Gorlatch, Michel Steuwer

ICFP

2020

Experience

Huawei R&D

Full-time and Part-time Research Internship
Compiler and programming language research

Edinburgh

2022–2023

The University of Edinburgh

Research Internship

Jul. 2020–Aug. 2020

University of Glasgow

Research Internship

Jun. 2018–Aug. 2018

Teaching

Compiler Technique (University of Edinburgh Level 3/4 course)

Lab Demonstrator

Edinburgh

2021/2022