Olek Osikowicz

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 Google Scholar

Education

PhD	**University of Sheffield**, Computer Science	Sheffield, UK
		Sept 2023 – present

- Testing **Autonomous Driving Systems** (ADS) in simulated environments
- Applying multi-fidelity optimization for ADS testing
- Investigated flaky ADS tests caused by simulator nondeterminism
- Supervisors: Donghwan Shin & Phil McMinn

BSc	**University of Sheffield**, Computer Science	Sheffield, UK
		Sept 2020 – June 2023

- Graduated with First-Class Honours
- Disertation: Autonomous Driving Systems Testing - grounded in reality test generation

Publications

Empirically Evaluating Flaky Tests for Autonomous Driving Systems in Simulated Environments   Apr 2025

Olek Osikowicz, Phil McMinn, Donghwan Shin

eprints.whiterose.ac.uk/222933 (2025 IEEE/ACM International Flaky Tests Workshop)

Experience

Dover Fueling Solutions, Summer Intern   Kraków, Poland
June 2022 – Sept 2022

- Creating and testing fault-tolerant data pipelines on Microsoft Azure
- Worked with SQL Warehouses and Datalakes on Databricks Cloud platform

Skills

Cloud Computing: Creating pipelines for research computing using contenerized applications, virtual machines, and data storage on AWS, Azure and GCP

Programming: Proficient with Python, good understanding of networking and DevOps

Mathematics: Good understanding of calculus, linear algebra and statistics

Side Projects

**GOA Maps **   May 2024

A web application for generating city map posters

- Coded from scratch using Svelte and OpenStreetMap data
- Self-hosted using Cloudflare Tunnel and Docker containers

Languages

- English (fluent)
- Polish (native)
- German (basic)