

Stefan Radziuk

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EDUCATION

MENG COMPUTING, IMPERIAL COLLEGE LONDON

Sep 2019 – Jun 2023

- 78% overall (First Class) in first and second years, including 85% in Algorithm Design and Analysis.

HIGH SCHOOL NO 3 IN GDYNIA

Sep 2017 – Apr 2019

EXPERIENCE

BLOOMBERG L.P. – *Software Engineer Intern*

Jun 2021 – Sep 2021

- Worked in Alerts Platform, a team responsible for delivering around 6.5 million alerts daily to users.
- Extended the time alerts system by adding support for programmatic management and consumption of alerts, providing internal stakeholders with a reusable solution. Used C++17, Python and TypeScript.

GOLDMAN SACHS – *Engineering Division Spring Intern*

Apr 2021

- Collaborated on developing a hedging strategy for commodity futures, along with a Python implementation.

IMPERIAL COLLEGE LONDON – *Undergraduate Teaching Assistant*

Nov 2020 – present

- Guides first year students working on programming assignments in Haskell, Kotlin, Java and C.

VOLUNTEERING

DEPARTMENT OF COMPUTING SOCIETY – *21/22 Hackathons Coordinator, 20/21 Secretary*

Aug 2020 – present

- Led organisation of IC Hack 22, the UK's largest student-run hackathon, with a £70k budget and over 500 attendees.

PROJECTS

KIDNEYCALIPER

Python, TypeScript

- Incorporated two machine learning models into a digital imaging pipeline that provides pathologists with a comprehensive kidney biopsy analysis, aiding early prediction of transplant rejection.
- Used Python (incl. PyTorch, NumPy) to interface with and optimise existing image annotation models.
- Awarded the Ocado Technology Group Project Prize for the best student project out of 30 considered.

SIYABUDDY RECYCLING APP

Python, JavaScript

- Designed and implemented a web app for a South African recycling and waste management company to facilitate communication with independent waste collectors and optimise their pick-up routes.
- Awarded prize for 2nd best project out of 48 groups of students, graded at 91% overall.

WACC COMPILER

Scala

- Implemented a compiler for a simple imperative language targetting the ARM architecture.
- Extended the language with additional features: recursive data types, union types and lambda expressions.

SKILLS

- Programming languages:
 - preferred: *Python, C++, Scala, Java*
 - familiar with: *C, Haskell, Kotlin, JavaScript/TypeScript*