Stefan Radziuk

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EDUCATION

MEng Computing, Imperial College London   Sep 2019 – Jun 2023

- On track for a First Class degree. Third year: 82% overall, Dean's List award (top 10% of the class).

High School No 3 in Gdynia   Sep 2017 – Apr 2019

EXPERIENCE

PDT Partners – *Industrial Placement Intern*   Apr 2022 – Sep 2022

Bloomberg – *Intern Software Engineer*   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 – Jul 2022

- Led organisation of IC Hack 22, the UK's largest student-run hackathon, raising over £70k in sponsorships.

PROJECTS

KidneyCaliper   Python, TypeScript

- Incorporated two neural networks into a digital imaging pipeline that provides pathologists with a comprehensive kidney biopsy report, 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.

WACC Compiler   Scala

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

Pintos Operating System   C

- Implemented fundamental operating system features, such as process scheduling and virtual memory.

SKILLS

- Programming languages:
    - preferred: *Python, C++, Scala, Java*
    - familiar with: *C, Haskell, Kotlin, JavaScript/TypeScript, Bash/Zsh*
- Other tools: *Linux (coreutils, shell scripting), containerization (Docker, Kubernetes), git, SQL, HTML/CSS*