Stefan Radziuk

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Education

MEng Computing, Imperial College London — **2019–2023**

- Modules include: Programming (Haskell and Java), Graphs and Algorithms, Logic.
- Completed coursework examining object oriented design, concurrency and functional programming skills.
- Attended extracurricular Haskell lectures covering ADTs, type systems and functors.
- Participated in a series of tutorials on the basics of data science and Python applications as a member of the Imperial College Data Science Society.

High School No 3 in Gdynia — **2017–2019**

- Extended level subjects: Mathematics, Physics, Bilingual English, Entrepreneurship
- Advanced level Matura exam scores: Mathematics 98%, Physics 97%, English 100%

Experience

Organiser of IC Hack 20 — **2020**

- Cooperated to organise the UK's largest student-run hackathon hosting over 450 participants.
- Responsibilities included coordinating volunteers during the event and developing elements of the event branding.

3Nav project at Jit Team — **2017–2018**

- Worked as a part of a team developing a cross–platform indoor navigation app in C#.
- Implemented Bluetooth device positioning amongst other functionalities.
- Learned the principles of agile methodology (Scrum) and the Xamarin platform through a series of lectures and tutorials with industry experts.
- Employed tools such as Xamarin, Bluetooth beacons, git, Jira and Confluence.

Projects

Wave Function Collapse — **2020**

- Implemented the Wave Function Collapse algorithm in C as a part of the Imperial College C course.
- Contributed by implementing the underlying algorithm in C based on relevant papers.

Population Simulator — **2020**

- Aimed to visualise the effects social distancing has on the infection rate during an epidemic.
- Created a physics-based collision simulator to model the spread of disease in Python.

Skills

- Programming languages:
  - Preferred: Java
  - Familiar with: Python, Scala, Haskell, C, C# (including Xamarin), Bash
- Other tools: Linux (GNU coreutils, bash scripting, ssh), git, SQL, HTML/CSS/JS