

Simonas Stonkus

+353 83 309 9499 | simonas.stonkus@gmail.com | Dublin | linkedin.com/in/simonas-stonkus/

Education

Dublin City University

Sept 2021 – Sept 2022

MSc in Astrophysics and Relativity

Second Class Honours, Grade I (64%)

- Developed skills in advanced data analysis methods using Python through academic work. Acquired knowledge of advanced mathematical analysis techniques. Expanded and tested a mathematical model of a particle detector during the research project.
- Achieved a grade of 86% in the data analysis and machine learning module and 75% for thesis on "Studying the Anti-Hawking effect in a BTZ black hole spacetime."
- Completed two machine learning projects, using both PyTorch and Scikit-learn, and achieved a grade of 80% for my work.

Trinity College Dublin

Sept 2017 – May 2021

BA in Physics and Astrophysics

First Class Honours (70%)

- Developed recognized statistical analysis, data handling and advanced Python techniques used to achieve a final grade of 73% in the practical techniques module.
- Final year research project focused on creating a system for identifying unusual supernovae based on lightcurve data from large datasets. The project contributed to further research in the detection of unusual Type Ia Supernovae. Attained a project grade of 70% after presenting the work to a panel of researchers.
- Elected as course representative in the final year which entailed internal governance and guidance between the university and student body. Lobbied for changes of course structure and organisation to meet the student needs more effectively.

Projects and Upskilling

- Wrote a Python Discord bot utilising the Steam market API to get values of user inventories and store them for comparison over time.
- Created a script that takes in an image and transforms it into a 3D printer readable G-Code.
- Created a website that takes in user location data, and based on longitude, calculates what their "proper" time zone should be. Included a game where players guess the "proper" time zone for various cities.
- Completed courses on Java, Kotlin, SQL, JavaScript as well as data structures and algorithms.

Programming Skills

- **Data work:** Python, SQL, R
- **Web development:** JavaScript/TypeScript, HTML, CSS, React
- **General use:** Java, C++, Kotlin

Work Experience

Dunnes Stores

December 2022 – Current

Sales assistant

Dublin

- Provided exceptional customer service.
- Aided in visual merchandising.
- Took on leadership roles when necessary to help organise employees, create rosters and train new staff.

Volunteering & Societies

Dublin University Badminton Club

Sept 2018 – Sept 2023

Team Captain (2019 – 2022), Ordinary Committee member (2018 – 2022), Kits Officer (2019 - 2020)

- Devoted member of the club for 5 years where. Undertook various leadership positions.
- Acted as a team captain for 2 years.
- Elected as Committee member for 4 consecutive years.
- Acted as Kits Officer in third year. Was in charge of training equipment and supplying team merchandise

Languages

English (Fluent), **Lithuanian** (Native), **French** (Elementary)