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Stack Overflow – rlms
roddyyaga

Roddy MacSween

Education

2016–2020 **University of Cambridge (Homerton College)**, *BA (Hons) & MEng Computer Science*
- Achieved BA (Hons) with a double 1st, awarded David Thompson prize.
- Received distinction in MEng, with a focus on machine learning, NLP and programming language theory.
- Third year project on using computer vision and machine learning to detect deception in videos.
- Master's project in computational linguistics on automated cognate detection.

2009–2016 **Roundhay School**, *Secondary education*
- Achieved 3 A*s at A-level (Maths, Further Maths, Physics).

Work experience

June–August 2019 **corrux, Munich**, *Software engineering intern*
- Managed migration of core IoT data platform from PostgreSQL to InfluxDB.
- Analysed data from industrial equipment to identify features associated with breakdowns.
- Developed features and performed DevOps tasks for web application backend.
- Technologies used: Python, Flask, InfluxDB

June–August 2018 **Goldman Sachs, London**, *Summer analyst in technology*
- Managed migration of a legacy reconciliation system to a new codebase.
  - Developed features for the new application.
  - Deployed, tested and documented it in QA and production.
  - Designed new dashboard for the system.
  - Technologies used: Java, Groovy, ElasticSearch
- Led the winning teams for intern competitive programming and CTF competitions.

2014–2015 **Upwork**, *Online freelancer*
- Performed freelance work such as developing web scrapers and system administration scripts.
- Wrote the content for a Learn Python app which received over 1,000,000 downloads.

Open source

OCaml
- Author and maintainer of the `ppx_rapper` library.
- Made various other contributions to the OCaml ecosystem
  - E.g. adding the `(no-infer)` action to dune 2.6.

scikit-learn
- Contributed two bugfixes to feature selection code and improved documentation.

Hackathons

2017 HaC
- Part of the winning team.

Game Gig
- Designed, developed and composed music for a retro platform game in C++ where players completed levels by switching between classic characters.

Technical skills

- Proficient in Python, OCaml, Java.
- Varying experience with HTML/CSS/JavaScript, C#, SQL, C/C++, GLSL, SystemVerilog.
- Experienced with LaTeX.

Other achievements

- Top 2.5% of forecasters in IARPA's Hybrid Forecasting Competition (Prescience group).
  - The top 2% in the predecessor Good Judgement Project were the subject of Philip Tetlock's book Superforecasting.
- ~1.9 million people reached on StackOverflow.