Noah Ó Donnaile

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Experience

Software Engineer - Natural Language Generation **Google Switzerland**
December 2019 – Present *Zürich, Switzerland*
L4 SWE working in natural language generation (NLG) for the Google Assistant. I write tools, data pipelines, optimisations, and more, to help the Assistant learn to speak good. **C++**, **Python**, **Typescript**, and friends.

SWE Intern - Natural Language Generation **Google Switzerland**
June 2019 – August 2019 *Zürich, Switzerland*
Creating a tool to crowd source lexical information about entities in **C++** and **Typescript**.

Intern in Tools & Resources for Irish Language Technology **ADAPT Research Centre**
June 2018 – July 2018 *Dublin, Ireland*
Cleaned text with **Python**, aligned with **Hunalign**. Extracted Irish multi-word expressions from corpora. Created tool to process yes/no questions in Irish (which lacks words for "yes" & "no") for a SMT system.

SWE Intern - Google Trips **Google Switzerland**
June 2017 – May 2018 *Zürich, Switzerland*
Added Spotlight Search integration, "view search history" feature, and granular notifications to the Google Trips iOS app in **Objective C** with **Mercurial**.

STEP Intern - Video Ads Engineering Productivity **Google Switzerland**
July 2016 – September 2016 *Zürich, Switzerland*
Developed a tool to reduce dependency bloat by splitting large disjoint libraries into small ones. Worked in **Java** (+ **Guice**), **Python** (+ **Flask**), **Javascript**, with **Piper**.

Java Developer **Opening.io**
July 2015 – August 2015 *Dublin, Ireland*
Developed **Java** tools to predict a person's salary from their résumé (with SMILE linear regression), and to extract their education information from it (with **Elasticsearch**). Used **Gearman**, **Couchbase**, **git**.

Education

BSc. in Computational Problem Solving & Software Development **Dublin City University**
September 2015 – June 2019 *Dublin, Ireland*
CPSSD is the only degree in Ireland for undergraduate students with prior CS experience. I finished the degree **2nd** in class rankings with an average grade of **89%** and the award of **First Class Honours**. **Extracurriculars**: 2015-16 **Secretary** and 2016-17 **Chairperson** of computing & networking society.

Earned an **All-Ireland Scholarship** and a **DCU Academic Scholarship** as a result of obtaining 605 points (of 625 maximum; **top 1.2%** nationally) in the Leaving Certificate in secondary school.

Competitive Programming

I represented Ireland at the **2015 International Olympiad in Informatics** in Almaty, Kazakhstan. I have also had the following results in other competitions:

Student Battle Dev Season 13	89th place	**ACM IrlCPC 2019**	1st place
HashCode 2019 Qual.	211th place, 1st Irish team	**ICPC NWERC 2018**	55th place, 1st Irish team
Student Battle Dev Season 12	57th place	**ICPC UKIEPC 2018**	13th place, 1st Irish team
Student Battle Dev Season 11	41st place	**ACM IrlCPC 2018**	1st place
ICPC NWERC 2017	47th place. 1st Irish team	**ICPC UKIEPC 2017**	3rd Irish team
ACM IrlCPC 2017	3rd place	**HashCode 2017 Qual.**	164th place. 1st Irish team
ICPC NWERC 2016	78th place. 2nd Irish team	**ACM IrlCPC 2016**	2nd place
HashCode 2016 Qual.	120th place. 2nd Irish team	**ICPC NWERC 2015**	74th place. 1st Irish team
Google Call to Code 2014	6th place		

Misc

I speak native English (en-IE), and basic Irish, French, and German. I like dogs, coffee, and the smell of grass after rain. I am happy to receive emails, and I get confused when my phone rings.