

NOAH Ó DONNAILE

<https://noah.needs.money>
<https://github.com/iandioch>
iandioch11@gmail.com

EXPERIENCE

SWE Intern - Google Assistant Natural Language Generation

June 2019 – August 2019

Ongoing. **C++**, **Typescript**.

Google Switzerland

Zürich, Switzerland

Intern in Tools & Resources for Irish Language Technology

June 2018 – July 2018

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.

ADAPT Research Centre

Dublin, Ireland

SWE Intern - Google Trips

June 2017 – May 2018

Added Spotlight Search integration, "view search history" feature, and granular notifications to the Google Trips iOS app in **Objective C** with **Mercurial**.

Google Switzerland

Zürich, Switzerland

STEP Intern - Video Ads Engineering Productivity

July 2016 – September 2016

Developed a tool to reduce dependency bloat by splitting large disjoint libraries into small ones. Worked in **Java** (+ **Guice**), **Python** (+ **Flask**), **Javascript**, with **Piper**.

Google Switzerland

Zürich, Switzerland

Java Developer

July 2015 – August 2015

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**.

Opening.io

Dublin, Ireland

EDUCATION

BSc. in Computational Problem Solving & Software Development

September 2015 – June 2019

Dublin City University

Dublin, Ireland

CPSSD is the only degree in Ireland for undergraduate students with prior CS experience. Read more at [the course site I created](#). I finished the degree **2nd** in class rankings with an average grade of **89%**.

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.

NOTABLE PROJECTS

Rabble

Bachelor's Thesis. 2018 - 2019, 7 months, team of 4

[Rabble](#) is a decentralised blogging platform focused on breaking echo chambers & maximising author control

Led development of recommender systems (**Python**, **Jupyter**), and [Activitypub](#) interoperability, along with some webserver (**Go**) and database (**SQL**) tasks. Heavily contributed to UI (**Typescript**, **React**).

Feedlark

University Project. 2016, 3 months, team of 5

[Feedlark](#) is a web-based RSS aggregator that promotes items matching topics the user previously liked

Designed and built microservices architecture (**Gearman**), topic modelling (**Python**, **spaCy**), ML recommender system (**Python**, **Scikit-Learn**), and database service (**Go**, **MongoDB**).

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