

Noah Ó Donnaile

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EXPERIENCE

Google, Zürich - Software Engineering Intern (June 2017 - May 2018)

On the Google Trips iOS team, adding Spotlight integration to the Google Trips app in Objective C, via Mercurial.

Google, Zürich - STEP Intern (July 2016 - September 2016)

On the Video Ads Engineering Productivity team, working on a project to reduce dependency bloat.
Used Java, Python, Javascript, with many internal libraries (including Guice), via Perforce.

Opening.io, Dublin - Java Developer (July 2015 - August 2015)

Implemented logistic regression tool using the SMILE library to predict a user's salary based on their résumé.
Worked in Java with Gearman, Elasticsearch, Couchbase, git.

Miscellaneous Posts

- Lab Tutor (CA117: Computer Programming II) *Dublin City University (January 2017 - May 2017)*
- Chairperson *[Redbrick](#), DCU's Computing & Networking Society (April 2016 - April 2017)*
- Lab Tutor (CA116: Computer Programming I) *Dublin City University (October 2016 - December 2016)*
- Secretary *[Redbrick](#), DCU's Computing & Networking Society (April 2015 - April 2016)*
- ComputeTY Assistant *[ComputeTY](#), Dublin City University (January 2016)*
- 1-on-1 Programming Tutor *[100mind](#) (all proceeds went to charity) (January 2016 - May 2016)*

EDUCATION

Dublin City University (DCU), Dublin, Ireland (2015 - 2019)

BSc. in Computational Problem Solving & Software Development

A 4-year degree for people with prior programming experience: [read more at the site I set up for it](#).

I won an All-Ireland Scholarship and a DCU Academic Scholarship as a result of getting 605 points in the Leaving Certificate (top 1.2% nationally). On track to graduate with 1st class honours.

MAJOR PROJECTS

Hackathon Project: [safer.place](#)

Website to estimate a location's safety by using government-provided crime data

Built basic app framework (Python, flask, jinja2), frontend (Tachyons CSS), did data cleanup (Python). Wrote Irish language translation. Project shortlisted for the *DCU President's Prize for Innovation 2017*.

University Project (2nd Year): Dipla

Distributed computing library for Python 3.5+

Built websocket communications (asyncio, websockets), a directory server (flask) a status page (ReactJS, chart.js, Jinja2), some task queue functionality, and transmission of executables to workers. Team of 4, Scrum, 7 months.

University Project (1st Year): [Feedlark](#)

RSS aggregator prioritising articles on topics you have previously liked

Designed and implemented microservices architecture (Gearman), topic modelling (Python, spaCy), machine learning (Python, Scikit-Learn), and database interactions (Go, MongoDB). Team of 5, Scrum, 3 months.

MISC ACTIVITIES

[OpenBugBounty.org](#)

Reported over 1000 XSS vulnerabilities.
4 time VIP Security Researcher of the Week.

[ProjectEuler.net](#)

Top 20 users in Ireland, top 0.75% globally.

[Kattis.com](#)

In top 10 users in Ireland, top 200 globally.

PROGRAMMING COMPETITIONS

[IriCPC 2017](#): 3rd place. Team of 3.

[Google Hash Code 2017](#): 1st in Ireland, 164th globally. Team of 2.

[NWERC 2016](#): 2nd Irish team, 78th overall. Team of 2.

[IriCPC 2016](#): 2nd place. Team of 3.

[Google Hash Code 2016](#): 2nd in Ireland, 120th globally. Team of 3.

[NWERC 2015](#): 1st in Ireland, 74th overall. Team of 3.

[International Olympiad in Informatics 2015](#): On Irish team. Solo.