Noah Ó Donnaile

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EXPERIENCE

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).

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.

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)
- **Redbrick Secretary** - *Redbrick, DCU's Computing & Networking Society* (April 2015 - April 2016)
- **ComputeTY Assistant** - *Dublin City University* (January 2016)
- **1-on-1 Programming Tutor** - *all proceeds 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). In my Freshman year I received a 1st Class Honours in every module

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 stuff, and transmission of executables to workers. Team of 4, Scrum, 7 months.

University Project (1st Year): Feedlark
RSS aggregator prioritising 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.

ACTIVITIES

OpenBugBounty.org
Reported over 1000 vulnerabilities
4 time VIP Security Researcher of the Week.
ProjectEuler.net
Top 10 users in Ireland, top 0.75% globally.
Kattis.com
1st placed user in Ireland, top 350 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.