

Ricardo Delfin

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<https://github.com/rdelfin>, <http://rdelfin.com/>

The logo consists of the letters 'RD' in a white, bold, sans-serif font, centered within a dark red square.

Experience

Facebook, Web Foundation Team, Production Engineer

London, UK — December 2019 - Present

- Responsible for monitoring of Facebook's fleet of Linux web servers, as well as investigation, mitigation, and follow-up of major site incidents
- Driving cross-functional collaboration to limit wasted computational resources in downstream services on requests past their timeout, writing code in services in **C++**, **Python** and **Hack/PHP**
- Working with teams across Facebook to improve their services reliability, availability and monitoring

Facebook, Server Repair Orchestration Team, Production Engineer

Dublin, Ireland — May 2018 – December 2019

- Worked on writing workflows to provision, repair and decom Facebook's growing fleet of **Linux** servers
- Rewrote the repair workflow in **Python** to allow for more complex repairs and a multi-step process to reduce part wastage and time out of production
- Kept high service reliability by monitoring metrics and being first-responder on countless incidents
- Maintained and improved tooling and neglected part of the workflow to ensure high reliability

Google, Travel Conversations Team, Associate Product Manager Intern

Zürich, Switzerland — May 2017 - August 2017

- Worked on a proposal for a new feature on Google Assistant for Travel
Prototyped a flow using API.AI and Java on The Assistant and wrote libraries to facilitate user studies

Twitter Inc., Software Engineer Intern

Seattle, WA, United States — May 2016 - August 2016

- Implemented a backpressure policy when accessing remote metadata for Twitter's distributed blob storage service in **Java**
- Researched and prototyped multiple solutions for Twitter Blobstore local metadata

Microsoft Corporation, Program Manager Intern

Redmond, WA, United States — May 2015 - August 2015

- Implemented a dashboard in **C#** to drive OS convergence across Windows 10 product teams
- Generated on the order of 10,000 actionable work items automatically through build data

The University of Texas at Austin, Undergraduate Teaching Assistant

Austin, TX, United States — January 2016 - December 2017

- Grade assignments, teach classes and provide help to freshman students (CS 309)
- Working on reinforcement learning and human-robot interaction project in ROS, **C++**, and **Python**

Education

The University of Texas at Austin – December 2017

Bachelor of Science in Computer Science (3.7 GPA)

Technical Skills

- Fluent in Python, C/C++, and Rust
- Exposure to Hack/PHP, Java, SQL, Scala, Node.js, PowerShell, LabVIEW and MATLAB
- Experience working with Linux and large distributed systems

Volunteering

FIRST Robotics Competition Volunteer

FIRST — 2015-Present

- Head Referee, Referee and Robot Inspector at multiple events in Mexico and the US

TEALS K-12 Volunteer Teacher

Austin High School — 2015-2017