

# Brandon Ibbotson

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[www.byxor.xyz](http://www.byxor.xyz)

## Overview

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<b>Skills</b>	Test-Driven Development, Agile, Git
<b>Primary Languages</b>	Go, Python, Kotlin, JavaScript (ES6/ES7), Java, C, C++
<b>Extra Languages</b>	Haskell, x86, x64, LIMP, UnityScript, Ruby, Clojure, Prolog

## Experience

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### Arista Networks (Dublin) - Software Engineering Intern

June 2017 - June 2018

Wrote/Tested/Deployed TACC & C++ on high-performance switches around the world. Maintained Arista EOS Operating System working exclusively in CLI. Interacted with switch hardware.

**Technologies:** TACC, C++, C, SSH, Perforce

### Instil Software (Belfast) - Software Engineering Intern

July 2016 - September 2016

Full Stack Developer. Built REST API & Email Service with Kotlin. Increased test coverage by ~15% in first month. Maintained AngularJS frontend. Received first-class training on TDD and Refactoring.

**Technologies:** Kotlin, AngularJS, DropWizard, PostgreSQL, Swagger

## Projects

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**LIMP:** Functional Programming Language Interpreter with 99% Test Coverage. Supports anonymous functions, objects, collections, strings, recursion, immutability, scoped constants, and a small standard library.[\(github\)](#)

**Technologies:** Python3.6.

**Technologies:** Angular 5, TypeScript.

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**Passflip:** A lightweight SHA224-based password manager. Installable via pip.[\(github\)](#)

**Technologies:** Python.

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**Entua:** Android/iOS IoT app. Program smart devices within the Home. Go WebSocket backend. React Native frontend.(proprietary, no source)

**Technologies:** Go, ES6, React Native, Redux.

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**Slimput:** Faster standard input scanners for Java.[\(github\)](#)

**Technologies:** Java.

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**byxor.xyz:** Personal website.[\(github\)](#)

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**Kapoki:** A multi-language skeleton generator for new projects.[\(github\)](#)

**Technologies:** Bash, C++, Python.

See more projects at [www.byxor.xyz/projects](http://www.byxor.xyz/projects)

## Education


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### Dublin City University

September 2015 - June 2019

BSc. Computational Problem Solving & Software Development

 [www.github.com/byxor](https://www.github.com/byxor)

 [www.stackoverflow.com/users/5601284](https://www.stackoverflow.com/users/5601284)

 [www.byxor.xyz](http://www.byxor.xyz)