

# Brandon Ibbotson

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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. Worked exclusively in CLI over SSH. Interacted with switch hardware.

*Technologies:* TACC, C++, C, 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

**Entua** - Android/iOS IoT app to configure events on smart devices within the Home. React-Native frontend. Go WebSocket backend. Raspberry Pi Hub. (proprietary, no source)

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

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

*Technologies:* Angular 5, TypeScript

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

*Technologies:* Python

**Slimput** - Faster input scanners for Java. ([github](#))

*Technologies:* Java

**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, Ireland:** September 2015 - June 2019

**BSc. Computational Problem Solving & Software Development**

Find out more at [www.cpssd.net](http://www.cpssd.net)

 [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)