### **Brandon Ibbotson**

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### Overview

#### Skills

Test-Driven Development, Agile Development, Git

#### **Primary Languages**

Go, Python, Kotlin, JavaScript (ES6/ES7), Java, C, C++

#### Extra Languages

Haskell, x86, x64, LIMP, UnityScript, Ruby, Clojure, Prolog

## Experience

### Instil Software (Belfast) - Software Engineering Intern July 2016 - September 2016

Full Stack Developer for a Time Tracking Tool. Built REST API & Email Service with Kotlin. Increased test coverage by  $\sim 15\%$  in first month. Maintained AngularJS frontend. Received first-class training on Test-Driven Development and Refactoring.

Technologies: Kotlin, AngularJS, DropWizard, PostgreSQL, Swagger

## Arista Networks (Dublin) - Software Engineering Intern

June 2017 - June 2018

Wrote & tested C++ deployed on high-performance switches around the world. Worked exclusively in command-line environments using SSH, Tmux & Emacs.

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

# **Projects**

LIMP - Functional Programming Language Interpreter with 98% Test Coverage. Supports anonymous functions, objects, collections, strings, recursion, immutability, scoped constants. Has a small standard library. Written in Python 3.6.

Website at byxor.xyz - A website built using Angular 5. Can be seen at http://www.byxor.xyz

 ${\bf Passflip}$  - A lightweight SHA224-based password manager.

 ${\bf Slimput}$  - A faster way of scanning standard input for Java.

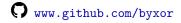
**Kapoki** - A multi-language skeleton generator for new projects.

**Thought** - A compiler/tool to encourage articulated, exploratory, disciplined thinking.

**DecayQueueJs** - A JavaScript Data Structure that removes old elements automatically.

See more projects at www.byxor.xyz/projects

## Education





www.byxor.xyz