Curriculum Vitae

André Sá

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GitHub	https://github.com/siiky
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Portuguese	Native
English	C1 (self-assessment)
Japanese	B1 (BabeliUM Language Institute)

Work Experience

Internship at Accenture (July of 2019)

My assigned job was developing unfinished features, aswell as new features, for a consumer facing product. These features entailed working with Augmented Reality in iOS. In the process, I've also learned about the Scrum framework.

Application Security Analyst at Checkmarx (September of 2019 - present)

My job as an analyst entails analysing existing security vulnerabilities, with or without a CVE number, with the end goal being to learn which versions of the affected software are actually vulnerable. Although I'm not tasked with software development of any form, as vulnerabilities are found in a wide range of projects, I come in contact with many languages, the most common being C, Clojure, Java, JavaScript, PHP and Python.

Education

Studied Computer Science at the University of Minho for a Bachelor's.

Additional Information

Programming Languages

From University and personal projects, the languages that I have experience with, enjoyed working with, and would like to work with again:

- C
- Scheme
- Erlang
- Haskell

From reading books, papers and blogs, the languages that I would like to learn:

- Rust – safe systems language, with an advanced type system;
- Idris – for playing with types;
- Common Lisp – for advanced metaprogramming and arbitrary compile-time computation;

Events

I have participated in programming contests, such as Google Hash Code, Google Code Jam, Google Kickstart, MIUP and Battle of Universities.

Personal Projects

During my spare time I have developed personal projects and contributed to open source projects. The most notable among them:

https://github.com/siiky/c-utils Type-generic data structures and utilities written in C, tested with QuickCheck-like tests.
https://github.com/universal-ctags/ctags Found and fixed two `NULL`-dereference bugs.
https://wiki.call-cc.org/eggref/5/cis Found and reported a bug.
https://github.com/iraikov/chicken-unitconv Changed all constants to exact numbers, to improve precision.

Areas of Interest

I have a special interest in functional and distributed programming and in code quality, I believe low-level and performance to be very important aspects of programming and programming languages, and because of this, the languages that have caught my eyes most recently are CHICKEN Scheme and Rust.

I'm a proponent of the FLOSS movement and sharing of knowledge in general.