

Yang, Bo

Developer



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Atry

About me

I am a developer who knows how to create application frameworks.

I founded various open-source projects for creating micro-services, neural networks, reactive GUIs, and DSLs, which are starred 3000+ times on Github.

My current interesting is machine learning engineering or development in functional programming languages, especially for creating developer tools or frameworks.

Skills

Scala

Machine Learning

Software Design

Agile Project Management

Hack ★5.5 Haxe ★5.5 OpenCL ★5
DevOps ★5 ActionScript ★4
C++ ★4 Java ★4 JavaScript ★4
Rust ★4 OCaml ★4 Testing ★3
C ★3 Spark ★3 Akka ★3

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Open-source projects

- 2021-2022 HHVM C++/Rust/OCaml
is Meta's virtual machine running Hack. I ported the open source branch of HHVM to Nix and created CI pipeline for building, testing, and packaging HHVM.
- since 2018 Dsl.scala Scala
is a framework to extend Scala language features in libraries. I also ported this framework to Haskell as Control.Dsl.
- since 2016 DeepLearning.scala and Compute.scala Scala
are libraries for creating complex neural networks.
- since 2015 Binding.scala Scala
is a reactive templating language for creating web and desktop GUI.
- 2015-2016 Microbuilder Haxe / Scala / Java / JavaScript
is a toolkit that helps you build system across micro-services implemented in various languages communicating via RESTful JSON API.
- since 2012 haxe-continuation Haxe
provides `async/await` syntax for Haxe.
- since 2010 protoc-gen-as3 ActionScript3
is a Protocol Buffers plugin for ActionScript 3.
- since 2007 other 100+ of open-source projects

Publications

- 2017 DeepLearning.scala 2.0: Statically Typed Neural Networks
2017 More than React
2009 Adobe Flex 3: Training from the Source (translator)

Talks

- 2017 Deeplearning.Scala——Thoughts and practices on open source deep learning framework DBTC
2017 Monadic Deep Learning Strange Loop
2017 Neural Networks & Functional Programming ArchData Summit · Beijing
2016 More than Async QCon · Beijing
2015 Specific-domain extension in an universal language ECUG Con

Experience

- 2019-2022 Meta Platforms Inc Software Developer
I built machine learning infrastructure to detect fraud in payments and integrate it into various products. Then I moved to Hack/HHVM OSS team, maintaining HHVM's open source branch.
- 2015-2019 Thoughtworks Inc Senior Consultant / Lead Consultant
I maintained some open-source projects sponsored by ThoughtWorks. I also took the role of consultant or technical leader in various delivery teams for creating mobile and web applications and data platforms.
- 2014 Shenzhen QiFun Network Corp., LTD Chief Programmer
I led the Q-Force Team in developing game engine along with its related tools, and two mobile games.
- 2011-2013 Shenzhen Putaoteng Network Technology Co., Ltd. Co-founder
I led the start-up team in developing a 3D side-scrolling game engine VinyHome and a social game Nan Da Nu Pei.
- 2008-2011 NetEase, Inc. Chief Programmer
I participated in various product teams as a developer or the technical lead, including Zhan Guo Feng Yun (web game), Ka Pai Dui Jue (web game), Deepcold (3D game engine).
- 2007 Beijing HiPiHi Information Technology Corp.,Ltd Software Engineer
I developed variant components of both client-side and server-side for a 3D virtual world, HiPiHi World.
- 2006-2007 Beijing AutoNavi Software Co., Ltd. Software Engineer
As a developer, I developed some components for a 3D navigation software.

Education

- 2002-2006 Southwest University of Political Science and Law Bachelor Of Laws