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Shibuya-ku, Tokyo, 150-0002

# NICOLAS MIARI

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## RECENT EMPLOYMENT

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**Mobile Engineer, Senior** **Toranotec Ltd.** **January 2018 – Present**

- Overtook development of main iOS client app (originally outsourced)
- Implemented new features following business schedule.
- Introduced SOLID principles and a clean architecture to the codebase.
- Proposed and implemented GUI-level enhancements and optimizations.

**Mobile Software Engineer** **U-NEXT** **March 2017 – December 2017**

- Assisted in the development of the company's flagship video streaming app "U-NEXT", as well as new projects.

**IT Specialist** **IBM Japan** **May 2015 – March 2017**

- Developed several enterprise-oriented iOS apps (maintenance schedule management, etc.) and prototypes, sometimes as lead (~3 engineers).

**Software Engineer, Senior** **gloops, Inc.** **April 2013 – April 2015**

- Developed several mobile games and prototypes, sometimes as team lead (3 engineers). iOS, Objective-C, Unity3d, C#

## EDUCATION

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**Fukuoka, Kyushu** **Kyushu Institute of Design** **April 1998 – March 2004**

- Master of Arts and Sciences in Visual Communication Design (Computer Graphics), April 2004.
- Bachelor's degree in Visual Communication Design (Computer Graphics), April 2002.
- Graduate Coursework: Beat detection algorithms, audio visualization and physics simulation. Winner of the Asia Digital Art Awards 2004 Grand Prize (see "Additional Experience and Awards" below).
- Undergraduate Coursework: Procedurally generated and animated computer graphics.

## PERSONAL PROJECTS

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### Application Software

- **Icon Set Studio** (2020). Resource editing application for macOS. Swift, Cocoa (AppKit) <https://apps.apple.com/app/icon-set-studio/id1501296766>
- **Spotlighter** (2019). Photo editing application for iOS. Swift, CoreImage <https://apps.apple.com/app/spotlighter/id1433318442>
- **DinnerJacket** (2018). Sprite and tile map library for iOS and macOS. Objective-C, OpenGL
- **Rods & Rings** (2014). Puzzle game for iOS. Objective-C, SpriteKit <https://apps.apple.com/app/rods-rings/id837958164>

## ADDITIONAL EXPERIENCE AND AWARDS

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- **Grand Prize, Asia Digital Art Awards 2004 (Interactive Category):** Awarded 1st prize for real-time, physics-based audio visualization software *Storm*. Video: <https://www.youtube.com/watch?v=j5qNj8Qy5xY>.