HENRY TO

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EDUCATION

University of California Irvine

2017 **B.S. Computer Science** awarded with a specialization in Architecture and Embedded Systems
2011 **B.A. Japanese Language and Literature**

WORK EXPERIENCE

2019 - Present **Freelance QA Tester** at **Telescope**

- Performed functional and regression testing for mobile, web and set-top box applications.

2017 - Present **Freelance Developer · Freelance QA Tester**

- Designed and implemented Shopify/Squarespace UI/UX to better showcase clients' products.
- Ensured game titles complied with Nintendo, Sony and Microsoft certification standards.

2013 - 2014 **Mobile QA Tester** at **Nexon M Inc.**

- Provided essential feedback early in development, leading to significant improvements to product.
- Assisted in the creation of test plans to be used on all future Nexon M game titles.

2012 - 2016 **QA Project Lead** at **DIGITAL Hearts USA Inc.**

- Tested dozens of successfully shipped titles from clients such as Namco, Square Enix, Capcom, Atlus, etc.
- Coordinated multiple teams of testers and trained senior testers to become successful project leads.
- Developed/maintained reusable test suites and documentation to efficiently meet clients' requirements.

PROFICIENT LANGUAGES

Proficient C · C++

FAMILIAR LANGUAGES

Coding Java · VHDL
Scripting JavaScript · Python · Ruby · ChatScript
Markup HTML · CSS · LaTeX
Shader GLSL
Assembly MIPS

NON-TECHNICAL SKILLS

Languages English · Chinese (Teochew) · Japanese

TECHNICAL SKILLS

Platforms macOS · Windows · Unix · Node.js
Software API POSIX · Cocoa · Win32 · Xlib · OpenGL
Frameworks Express.js · Bootstrap · jQuery
Microcontrollers AVR · ESP8266 · MSP430
Software Tools JIRA · Git · GCC · LLVM · Valgrind

PROJECTS

OpenGL windowing library Manages OpenGL window functionality on macOS, Windows and Linux.
SSD1531 graphics library Supports tile-based sprites and scrolling backgrounds using an ESP8266.
Predefined C macro library Identifies architectures, compilers, platforms and standards at compile time.
IFF/ILBM parser library Supports reading/writing/compression/decompression of IFF/ILBM chunks.
WS8211 LED rave totem Controls WS8211 LED strips with an ATTiny85 to display various animations.
Obstacle avoidance robot Arduino-based 4-wheeled robot utilizing an HC-SR04 sensor to avoid obstacles.
MIPS processor in VHDL Implementation of a processor that can execute a subset of MIPS ISA.