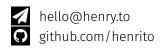
HENRY TO hello@henry.to github.com/hen





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.

Freelance Developer · Freelance QA Tester 2017 - Present

- 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-SRO4 sensor to avoid obstacles. MIPS processor in VHDL Implementation of a processor that can execute a subset of MIPS ISA.