Zain **Ahmad**

✉ zain.x.ahmad@gmail.com | ▢ (+31) 06 365 95 004 | ⚲ The Netherlands, The Hague | ⚯ notzain.com

Education

The Hague University of Applied Sciences	*The Netherlands, The Hague*
HBO-ICT	*2015 – Present*

Avans University of Applied Sciences	*The Netherlands, 's-Hertogenbosch*
MINOR SOFTWARE ARCHITECTURE	*2018 – 2018*

Work Experience

TNO *The Netherlands, The Hague*
RESEARCH ASSISTENT (INTERN) *2017 – 2018*
- Research wireless protocols
- In-depth research on ZigBee
- Implementing ZigBee protocol for embedded devices
- Wireless deployment of firmware for network of devices

Skills

Coding: C++, C, Python, Javascript, React
Tools: Git, Travis CI, Unit Tests, Linux

Projects

Chip8 Emulator *C++, CMake, Git*

CHIP8 IS AN INTERPRETED PROGRAMMING LANGUAGE DEVELOPED IN THE MID-1970'S, FOR 8-BIT COMPUTERS. THIS
PROJECT EMULATES THE CHIP8 VM, SO THAT ROMS WRITTEN FOR THE CHIP8 CAN RUN ON MODERN PC'S. *https://github.com/notzain/chip8_emulator*

ZigBee packet sniffer *C++, Qt, CMake, Git, ZigBee packet sniffer (USB COM)*

THIS PROGRAM READS BYTES RECEIVED FROM A ZIGBEE PACKET SNIFFER, AND INTERPRETS THE BYTES TO FORM A
HUMAN-READABLE PACKET *https://github.com/notzain/QtZigbeeHelper*