Contact

886-983720810 (Mobile)
lucky85033112345@gmail.com

www.linkedin.com/in/yu-chou-huang-1038a213b (LinkedIn)

Top Skills

C programming
C++ programming
RTL

Certifications

NOKIA 5G certificate

Honors-Awards

ICCAD competition

YU CHOU HUANG

In my first job after military service(end in 2023 MAY) in Taiwan, I am focusing on IC design flow implementation and RTL. Hope to create value for society and achieve my goal.
Hsinchu City, Taiwan, Taiwan

Summary

DIGITAL IC DESIGN:

Implement cell-based IC design flow about 4 staged pipeline bio-chip and FPGA emulation by Xilinx FPGA.

Programming Mainly familiar with Verilog, C++, C, and Python; Secondly familiar with SystemVerilog, C#.

Have a fundamental knowledge of processing unit IP,DSP IP,FPGA IP,Verification IP,image processing IP.

Implement costumed-based IC design about AFE(analog front end) for bio-chip and RF-based RX, TX design is learning underway.

Costumed-based Digital or Analog schematic and layout basic understanding.

SOFTWARE AND FIRMWARE:

Software control in git project and arrange library for objected oriented programming.

Software scripts for auto executing and release the new brand software to encounter problems and solve them.

Develop C# GUI by connecting C++ processing data, common-lib C++ git project in a linux system, QT Designer GUI maintenance, and UNIX scripts.

Cooperate with team members for distributing works and develop simulator for hardware system.SOC IP by C language and Xilinx PL and PS(2 porcessing unit) controls kinds of memory.

AI-based algorithms coded by Python, C++, and Verilog for classifying bio-based big data.

Experience

國家中山科學研究院
RDSS(military service until MAY)
November 2021 - Present (1 year 6 months)
Taoyuan City, Taiwan

My RDSS for military service has an all-year grade of A . The work is mainly about Software development-related work and Hardware development-related SOC. The product is related to the radar system.

Compal
R&D division engineer, 5G plan assignment internship by the Information Technology GovernmentCouncil
July 2020 - January 2021 (7 months)
Taipei City, Taiwan

5G evaluation module
5G front-end architecture

Education

National Tsing Hua University
Bachelor's degree, Power mechanical engineering · (2014 - 2018)

National Central University
Master's degree, Electrical and Electronics Engineering · (2019 - 2021)