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| **PERSIONAL** | |
| **SKILL** | |
| * Language   + English: Advance   + TOEIC 775 * Technical Skills   + PCB design using Altium Designer, KiCad   + C language programing   + Soldering skill   + Project management with Git * Solfware   + AltiumDesigner   + KiCad   + Git – Github   + Visual Studio Code   + STM32Cube IDE   + Microsoft Office | |
| **ACADEMIC ACTIVITY** | |
| **PAY IT FORWARD CLUB- STUDENT RESEARCH LAB**  *Core Member*   * PIFKID 2023 Summer Camp   *Lecturer, Instructor*   * + Participate in teaching about desiging manual circuits, instructing of embedded projcet. * MCU Basic Course   *Lecturer, Instructor*   * + Participate in teaching about basic concept of PCB, soldering, programing microcontroller. | |
| **CERTIFICATE** | |
| * TOEIC LR: 775   From Official Reperesentatives of ETS – IIG VietNam - 09/2022   * Certificate of Appreciation 2023 Summer Camp   From Faculty of Electrical and Electronics Engineering  Ho Chi Minh City University of Technology - 08/2023 | |
| **Chau Ngoc Tinh**  Long Binh, Thu Duc City, Ho Chi Minh City  (+84) 947 504 841 |  [tinh.chau3003@hcmut.edu.vn](mailto:tinh.chau3003@hcmut.edu.vn)  <https://github.com/Hnit3003> |  <https://www.facebook.com/tinh.chau.14606936> | |
| *I am a third-year student and studying Electronics and Telecommunication at Ho Chi Minh City University of Technology. I have experience in designing printed circuit board using Altium Designer, KiCad, researching and programming products using microcontrollers. I am a person who is willing to learn with a progressive spirit and has a sense of responsibility at work.* | |

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| **EDUCATION** | | | |
| * Ho Chi Minh City University of Technology | | | ***09/2021  to present*** |
| **Third-year student**, Faculty of Electrical & Electronics Engineering Electronic and Telecommunications  **Relevant course**: Embedded System Design, Applied Electronics  **Current GPA:** 7.55/10 (3.1/4) | | |  |
| **PROJECT EXPERIENCES** | | | |
| * PIF LAB CO., LTD | | Intern PCB Designer & Solfware Developer | ***05/2023  to 08/2023*** |
| Webserver Control household electrical appliances  *(Link project:* [*https://github.com/Hnit3003/Intern\_PIFLAB\_2023.git*](https://github.com/Hnit3003/Intern_PIFLAB_2023.git)*)*   * Deploy Web Server to control 220V load using ESP32-Wroom microcontroller * The board ensures isolation between different source blocks (switching source, 220V of load) by opto, relay and other rules, optimizes wireless transmission capacity * Using ESP-IDF for programing RTOS application, creating web server and handling wifi | | | |
| * APPLIED ELECTRONICS | | Big project PCB Designer & Solfware Developer | ***05/2023  to 08/2023*** |
| Current Measurement  *(Link project:* [*https://github.com/Hnit3003/hardware\_design\_altium/tree/main/Current\_Measurement*](https://github.com/Hnit3003/hardware_design_altium/tree/main/Current_Measurement)*)*   * Design a circuit to measure DC and AC current (range 20A, resolution 100mA) * The circuit using OPAMP, shunt resistor other basic component to generate output voltage is linear with input current, measures to prevent overvoltage and overcurrrent * Using STM32CubIDE for reading ADC, display current result | | | |
| * EMBEDDED SYSTEM DESIGN | Big project PCB Designer & Solfware Developer | | ***05/2023  to 08/2023*** |
| Smart-home board Control household electrical appliances  *(Link project:* [*https://github.com/Hnit3003/hardware\_design\_altium/tree/main/Smart-home\_IoT*](https://github.com/Hnit3003/hardware_design_altium/tree/main/Smart-home_IoT)*)*   * Design a embeded system to controll household electrical appliances through 3 methods: user interface with LCD, physical button and webserver * The main board has ESP32-Wroom microcontroller, switching source block, physical interface, the output block is isolated from the control block by opto and relay * Using ESP-IDF for progarming RTOS application | | | |
| * PERSONAL PROJECT | | | |
| Low-power Product | | Researcher, PCB Designer, Solfware Developer | |
| *(Link project:* [*https://github.com/Hnit3003/CH32V003F4P6\_workspace*](https://github.com/Hnit3003/CH32V003F4P6_workspace)*)*   * Researching and testing low-power mode function of new microcontroller form WCH manufacture: CH32V003F4P6 * Making PCB and programing for product using CR1220 battery | | | |
| Buck Convertor Circuit | | PCB Designer | |
| *(Link project:*  [*https://github.com/Hnit3003/hardware\_design\_altium/tree/main/Buck\_Convertor\_LM2596*](%20https://github.com/Hnit3003/hardware_design_altium/tree/main/Buck_Convertor_LM2596)*)*   * Design Buck Convertor Circuit using LM2596 can supply 2.5A current | | | |
| Touch Sensor Board | | PCB Designer | |
| *(Link project:* [*https://github.com/Hnit3003/hardware\_design\_altium/tree/main/Touch\_sensor*](https://github.com/Hnit3003/hardware_design_altium/tree/main/Touch_sensor)*)*   * Implement IC TTP223 touch sensor board | | | |