Schwin Pinkoh

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Education

Purdue University, West Lafayette, IN — December 2017
Bachelor of Science in Computer Engineering — GPA: 3.70 / 4.00
Full-time Thai government scholarship

Work Experience

Lab instructor/Teaching assistance, Purdue University — Spring 2016
C programming for engineers
- Lecturing students on various topics in C programming language from basic to intermediate level.
- Introduce debugging and refactoring techniques to students who were interested.

Anywhere 2 go Co., LTD., Bangkok, Thailand — Summer 2015
Windows developer (C#)
- Rewrote employer's application for Windows Universal store in C#, expanding the availability of application to the third platform.

Design Projects

Autonomous Aerial Vehicle, Vertically Integrated Project, Purdue University — Fall 2016 - Present
Team Leader/ Software Developer
- Spring 2016 – Programmed drone's flight controller that allows it to automatically follow GPS coordinates.
- Fall 2016 Goal – Develop drone's auto-tracking system using Python digital image processing library, OpenCV, that allows drones to follow an object or person during their flights.

Android Gesture Control, Individual (Ongoing) — Summer 2016
Target platform: Android
- Integrating Myo Armband to fully control android phone with hand gestures.

Mini Prix, Group Project – Microprocessor — Spring 2016
Target platform: ATmega, HC9S12C32 Microcontroller
- Physical racing game with a tracking system and store recording that allows players to race with each other and the stored records projected onto the track via LED strip.

Claim Di, Anywhere 2 go Co., LTD., Bangkok, Thailand — Summer 2015
Target platform: Windows Phone
- Developed a Windows application using, solving the problem of delayed operation of surveyors from insurance company.

Leadership Experience

Purdue Windows development club, West Lafayette, IN — Fall 2015 – Present
Secretary, lecturer
- Provided a lesson on the basic of how to build Windows Universal Application and two lessons on how to use online services by connecting to Web API during fall 2015 and Spring 2016.
- Preparing several lessons on HoloLens application development with Club's officers for Fall 2016.

Relevant Coursework: Advanced C Programming, Data Structure, Microprocessor System Design and Interfacing, ASIC Design Lab
Technical Skills: C, C#, Python, HDL (Verilog), Assembly, Java (Android)