JADE "SAMIT" DHANGWATTANOTAI

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EDUCATION

Boston University, College of Engineering, Boston, MA   May 2018
Bachelor of Science in Computer Engineering

TECHNICAL SKILLS

Programming Languages: C, C++, C#, Java, Python, SQL, JavaScript, HTML/CSS

Software/Hardware: GitHub, IntelliJ, Visual Studio, iOS & Android mobile development, Ionic, Django

EXPERIENCE

PTTEP, Bangkok, Thailand   June 2017 – August 2017
Software Engineering intern
- Develop a Django web application for oil and gas data visualization.
- Designed and implemented Django based software for data visualization
- Demonstrated successful data queries from the company's Oracle database.
- Implemented Matlab program to classify oil/gas properties of corporate owned data.

Boston University, Boston, MA   May 2016 – May 2017
College of Electrical and Computer Engineering Research Intern
- Tested acoustic properties of the stethoscope and eliminate environmental noises.
- Assisted in the software analysis using MATLAB to generate phase space graphs.
- Researched various heart conditions, their corresponding heart sounds, and current methods of machine analysis of heart sounds.
- Assisted in the design of recording device, test the EKG/PCG signals for clarity.

ENGINEERING PROJECTS

Autonomous Driving Internet of Things systems
- Created an IoT system using Photon particle cloud that save data collected from a network of sensors and will allow visualization of data in both historical and real-time views.
- Sensing and actuation of the physical world including positioning and locomotion.
- Implemented remote control on IP networks bridged to wireless device.

Pill Dispenser
- Created a Pill dispensing system which alerts patients to take medicine and report to third party.

Walk or T
- Implemented Android application that calculates time take to walk or take the MBTA to class from specific location on BU campus.

Virtual Pet
- Developed and design a virtual pet, Tamagotchi, on the MSP432P401R and EDU-MMKII Booster pack, Texas Instrument.

Instagram Visualizer
- Implemented Django web application to create a social media platform which consumes Google maps, Google place and Instagram API.

LEADERSHIP & ACTIVITY

Fundraising VP— Theta Tau, Professional Engineering Fraternity   September 2016 – May 2017

Events Chair— Boston University Thai Student Association   September 2015 – May 2016

BostonHacks— Boston University Hackathon   April 2017
Global Apps Initiative— Android App Developer   September 2017 - present

LANGUAGES English: Fluent, Thai: Fluent