

Hansen Tamara Dharmawan

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Education:

GPA: 3.463

Major: Computer Engineering B.S

Expected Graduation Date: Dec 2016 from

University of California, San Diego

Experience:

O'Interface : Software Engineer Intern (October 30 2015 – February 29 2016)

- Worked on a team of six on a multi-platform Web-based App, CMS solution, and general server code for client/server communication that will be used by 700+ users.
- Developed the view and controller of the App using AngularJS. Implemented MVC design pattern for better reusability. Written 400+ lines of code in HTML5 and Javascript.
- Extensively used Ionic as Framework to develop the UI of the app, which allows for responsive components and engaging user experience
- Published the App on Google Play Store named "STSI"

San Diego Indonesian Association / SDIA (volunteer): Information Technician (August 2015 – June 2016)

- Responsible for providing general technological needs of the organization such as online surveys, website maintenance, and information research.
- Developed and maintained the organization's website page at www.sdiaucsd.org using WIX online tool.
- Collaborated with a team of 8 to periodically hold various events for students including a banquet for 150 people.

Projects:

Team Project (group of 10): Book Selling App (March 26 – June 5 2015)

- Developed an App that provides a user-friendly and convenient medium for students to sell or buy textbooks.
- Developed the user interface of the app using XML in Android Studio
- Designed the interaction between objects in the app to ensure smooth data flow
- Ensured tight version control with extensive use of Git

Team Project (group of 2): Model of car control system (March – June 2016)

- Programmed a model of car control system using C on a Raspberry Pi 2
- Implemented the interface between the hardware (sensors and actuators) and the operating system as well as an EDF scheduler for the operating system
- Achieved energy efficiency of 0.4J/s and scheduler able to cope with very high number of tasks

Skills & Abilities

Practical skill:

- Strongly confident in programming with C++, C, Python and Java
- Familiar with web development languages such as CSS and HTML5
- Familiar with scripting language Javascript
- Hands-on experience using web frameworks: AngularJS, Ionic
- Capable of developing software using various design patterns
- Deep understanding in object-oriented programming, its principles and implementation in Java, C++ and Python
- Experienced in using Verilog as HDL in describing various components of a processor
- Mastery in using various IDEs such as Eclipse and Android Studio
- Understanding in low level programming language SPARC assembly and MIPS assembly
- Familiar with various data structures and their algorithms
- Experienced in using SQL and SQLite for managing databases
- Good understanding in various software development lifecycle (Agile, Waterfall, Scrum)
- Experience in developing servlets and web services using JSON