

Hansen Tamara Dharmawan

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Professional Experience:

General Atomics: Software Engineer (October 31 2016 – March 31 2017)

- Responsible for developing a responsive Administration web page for a Hierarchical Storage Management software.
- **Developed the Front End server using Angular2 with Typescript, HTML5 and CSS.**
- Developed the Back End server using Flask with Python.
- **Written 1000+ lines in Typescript, HTML and CSS and 300+ lines in Python**
- **Developed REST API on the back-end server and used it extensively on the front-end server.**
- Collaborated in a team using Team Foundation Server (TFS) as a version control software.

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"

Related Coursework:

- **CSE 100: Advanced Data Structures**
- **CSE 101: Design & Analysis of Algorithms**
- **CSE 110: Software Engineering**
- CSE 132A: Database System Principles
- CSE 120: Computer Operating Systems
- CSE 190: Embedded Computing
- CSE 150: Intro to AI: Search & Reason
- CSE 151: Intro to AI: Statistic Approach
- MGT 172: Business Project Management
- COGS 187A: Usability & Information Architecture
- CSE 140/140L: Digital Systems
- CSE141/141L: Computer Architecture

Skills:

- Java
- Python
- C++
- C#
- C
- Javascript
- HTML5
- CSS
- AngularJS
- Angular2
- Ionic
- SQL
- SQLite
- Git
- JSP / servlets with Java
- SPARC and MIPS Assembly
- Flask
- various IDEs

Projects:

Team Project (group of 3): Artificial Intelligence course assignments (March – June 2016)

- All assignments are done using Python on IDE Eclipse with PyDev plugin
- Assignment 1: Developed a program using A*, greedy, and Dijkstra algorithm to change a prime number to another prime number.
- Assignment 2: Developed an artificial intelligence for Mancala game that implements alpha-beta pruning minimax algorithm.
- Assignment 3: Developed an irregular Sudoku solver using CSP (constraint satisfaction problem) algorithm.
- Assignment 4: Developed a solver for a Bayesian Network using approximate inference algorithm.
- **Our Github repository: <https://github.com/hansen94/cse150-clone.git>**

Volunteering Activity:

San Diego Indonesian student Association / SDIA : 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 200+ people.

Education:

University of California San Diego

Major: Computer Engineering B.S

Authorized to work in the United States and open to relocate.

Expected Graduation Date: December 2016

GPA: 3.496