Henry Doan   **870 Navajo Drive, Riverside CA 92507**   **Phone: (669)237-9628**

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Projects:

Class Insights | SB Hacks   April 2016

- Web Application that allows users to post in a forum like environment about their university classes
- Designed the database concept and user interface concept
- Handled back end development such as setting up server and PHP logic
- Implemented using the LAMP stack
- Coordinated team members and designated workload among roles

RSA Data Cryptography | LA Hacks   May 2016

- Implemented user defined RSA algorithm as a hash function
- Attempted to implement a hash table
- Designed to be used for password encryption and decryption
- Struggled with providing enough memory to run algorithm

Personal Website | https://hdoan002.github.io   September 2016 – Present

- Developing a personal website using HTML, CSS
- Designed an organized container layout
- This includes academic schedule, resume and past projects

Bash Scripts   November 2016

- Created a collection of shell scripts to optimize workflow
- Consists of file and makefile generators
- Allows for quicker usage of SSH and Git

Automated Window Curtains   March 2017

- Created an embedded system that automated window curtain operations
- Users could adjust their window curtains via microcontrollers, bipolar motors, joystick, LED matrix and motor drivers
- Programmed microcontroller using Atmel Studios in C/C++

Skills:

- Languages: C++, HTML/CSS, LaTex, Matlab
- Familiar with: Ubuntu, Centos, Windows
- Tools: GDB, Bash Scripting, Git, SSH, Agile

- IDE/Editor: Cloud9, VIM / Emacs, GitHub, Atmel Studios
- Libraries: LAMP Stack

Education: University of California, Riverside | Computer Science (Expected Graduation Year: 2018)

- Association for Computing Machinery at UCR | Program Coordinator   Fall 2015 – Spring 2016
- Association for Computing Machinery at UCR | Professional Development   Winter 2016 - Present
- Citrus Hack | Volunteer Coordinator   Fall 2017
- Relevant Coursework:
    o Introduction to Software Construction
    o Data Structures and Algorithms
    o Discrete Structures
    o Introduction to Machine Organization & Assembly Language Program Lab
    o Introduction to Embedded Systems