Richard J. Heng

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EDUCATION

University of California, Riverside   Spring 2018
Bachelor of Science, Computer Science

TECHNICAL SKILLS

Software:
- Proficient: Atmel Studio, Matlab, Github, Sublime Text 3, Android Studio

Programming:
- Proficient with: C/C++, Python, HTML, CSS, Bash, Java
- Knowledge with: PHP, MySQL, jQuery

Operating Systems:
- Proficient with: Windows and Linux

PROJECTS

Boulder-Game
- Created an embedded systems game where the user must dodge falling obstacles (LED Lights) that are randomly generated while gaining power ups over time.
- Used ATmega1284 microcontrollers and various other embedded hardware and software
- Capable of solo play or two players versus functionality.

Chatbot AI
- Created a Chatbot that uses a retrieval-based model of learning which uses heuristic functions to make its own decision.
- Capable of learning new words to store in its memory database for future uses.
- Able to recognize positive and negative words from user and alter its "personality" and give different responses to the user based on what emotion it is at.

UCRmap
- Built a UCR Navigation android app for finding classrooms.
- Used multiple open source java API's.
- Has real-time built in GPS system, with many more features to be added.

ACCOMPLISHMENTS/CERTIFICATES

Code Academy Freelance Website Developer Certificate
- 8 Week Program learning the development tools and process of building websites
- Created complex responsive and adaptive websites using various APIs and libraries
- Built own personal portfolio website

Cutie Hack 2017
- Best Entrepreneur Hack (UCRmap)