HUBERT DENG

(919)995-0736   505 S. Fourth St -306
hzdeng2@illinois.edu   Champaign, IL, 61820
Personal Website: hubertdeng.com

EDUCATION

University of Illinois at Urbana-Champaign   Expected Graduation Date: May 2020
B.S. Computer Engineering   3.68/4.0 GPA
Dean's List

Relevant Coursework:
- **Computer Science**: Discrete Structures (CS 173), Data Structures (CS 225)
- **ECE**: Computer Systems Engineering (ECE 391), Analog Signal Processing (ECE 210)
- **Others**: Computer Systems and Programming, Introduction to Electronics, Calculus I-III, Differential Equations, Mechanics, Electricity and Magnetism, Quantum Physics, Thermal Physics

PROFESSIONAL EXPERIENCE

Research, Technical University of Denmark   **June 2017- August 2017**
Automation and Control   **Lyngby, Denmark**
- Developed project written in Python that achieved supervised learning in two robotic joints
- Worked with code featured a Spiking Neural Network simulated on SpiNNaker
- Expanded on a closed loop feedback controller that included a cerebellar microcircuit to mimic the learning of the human cerebellum
- Tested the scalability of a neuro-inspired robotic controller to control robotic joints through the expansion onto a system of robotic modules

Software Engineering Intern, Meiya Pico   **June 2015- August 2015**
Team Member   **Xiamen, Fujian, China**
- Developed an application to retrieve information from websites in Python with five other team members using the Beautifulsoup package
- Designed a GUI interface that helped the company retrieve data from a variety of sites
- Project parsed through HTML to find keywords to sort the websites based on date and relevance
- Application used by the company to retrieve recent relevant data for the company's news team

TECHNICAL SKILLS/INTERESTS

- **Programming (Familiar)**: C++, C, Java, Python, LC-3 Assembly
- **Programming (Basic)**: MATLAB, Arduino
- Fluent in Mandarin