HUBERT DENG

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EDUCATION

University of Illinois at Urbana-Champaign

B.S. Computer Engineering

Expected Graduation Date: May 2020

3.68/4.0 GPA

Relevant Coursework:
- **Computer Science**: Discrete Structures (CS 173), Data Structures (CS 225)
- **ECE**: Computer Systems Engineering (ECE 391), Analog Signal Processing (ECE 210)

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 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 sort the websites based on date and relevance
- Application used by the company to retrieve recent relevant data for the news team

PERSONAL PROJECTS

Personal Website (hosted with Github Pages)
- Developed website written in HTML, CSS, and Javascript
- Used Bootstrap and JQuery libraries to design interface

Checkers
- Implemented the classic board game of chess in C++
- Used a coordinate system to navigate pieces
- Colorful interface used to display board on screen

TECHNICAL SKILLS/INTERESTS

- **Programming (Familiar)**: C++, C, Java, Python, LC-3 Assembly
- **Programming (Basic)**: MATLAB, Arduino , HTML, CSS, Javascript
- **Tools**: Git, Apache Subversion
- Fluent in Mandarin