

HUBERT DENG

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Champaign, IL, 61820

EDUCATION

University of Illinois at Urbana-Champaign
B.S. Computer Engineering
Dean's List

Expected Graduation Date: May 2020
3.7/4.0 GPA

Relevant Coursework:

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