

# HUBERT DENG

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## EDUCATION

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University of Illinois at Urbana-Champaign	Expected Graduation Date: May 2020
B.S. Computer Engineering	3.7/4.0 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

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<b>Research, Technical University of Denmark</b>	<b>June 2017- August 2017</b>
Automation and Control	<b>Lyngby, Denmark</b>

- 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

<b>Software Engineering Intern, Meiya Pico</b>	<b>June 2015- August 2015</b>
Team Member	<b>Xiamen, Fujian, China</b>

- 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

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