

# HUBERT DENG

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Champaign, IL, 61820

## EDUCATION

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

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<b>Research, Technical University of Denmark</b>	<b>June 2017- August 2017</b>
Automation and Control	<b>Lyngby, Denmark</b>
<ul style="list-style-type: none"><li>• Developed project written in Python that achieved supervised learning in robotic joints</li><li>• Worked with code featured a Spiking Neural Network simulated on SpiNNaker</li><li>• Expanded on a closed loop feedback controller that included a cerebellar microcircuit to mimic the learning of the human cerebellum</li><li>• Tested the scalability of a neuro-inspired robotic controller to control robotic joints through the expansion onto a system of robotic modules</li></ul>	
<b>Software Engineering Intern, Meiya Pico</b>	<b>June 2015- August 2015</b>
Team Member	<b>Xiamen, Fujian, China</b>
<ul style="list-style-type: none"><li>• Developed an application to retrieve information from websites in Python with five other team members using the BeautifulSoup package</li><li>• Designed a GUI interface that helped the company retrieve data from a variety of sites</li><li>• Project parsed through HTML to sort the websites based on date and relevance</li><li>• Application used by the company to retrieve recent relevant data for the news team</li></ul>	

## PERSONAL PROJECTS

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<b>Personal Website (hosted with Github Pages)</b>	<b>Dec 2017-Present</b>
<ul style="list-style-type: none"><li>• Developed personal website written in HTML, CSS, and Javascript</li><li>• Used Bootstrap and JQuery libraries to design the interface of the site</li></ul>	
<b>Autonomous Moving Car</b>	<b>Aug 2016-Dec 2016</b>
<ul style="list-style-type: none"><li>• Created a line following car powered by Arduino RedBoard navigating through sensors</li><li>• Coded in C to decipher the signals being sent from sensors to the Arduino RedBoard</li></ul>	

## TECHNICAL SKILLS/INTERESTS

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