

HUBERT DENG

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EDUCATION

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

Research, Technical University of Denmark Automation and Control	June 2017- August 2017 Lyngby, Denmark
<ul style="list-style-type: none">• 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 Team Member	June 2015- August 2015 Xiamen, Fujian, China
<ul style="list-style-type: none">• 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)	Dec 2017-Present
<ul style="list-style-type: none">• Developed personal website written in HTML, CSS, and Javascript• Used Bootstrap and JQuery libraries to design the interface of the site	
Autonomous Moving Car	Aug 2016-Dec 2016
<ul style="list-style-type: none">• Created a line following car powered by Arduino RedBoard navigating through sensors• Coded in C to decipher the signals being sent from sensors to the Arduino RedBoard	

TECHNICAL SKILLS/INTERESTS

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- **Programming (Proficient):** C++, C, Java, Python, x86 Assembly
 - **Programming (Basic):** MATLAB, Arduino, HTML, CSS, Javascript
 - **Tools:** Git, Apache Subversion
 - Fluent in Mandarin