

Chaojie WANG

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EDUCATION

STONY BROOK UNIVERSITY	Bachelor of Engineering in COMPUTER ENGINEERING Expected Graduation Date: May 2017 GPA: 3.85
EE COURSES	Embedded Microprocessor Systems Design, Deterministic Digital Design using VHDL Stochastic Systems(graduate course), Computer Architecture
CS COURSES	Computer Science III, Intro to Data Structure & algorithm, Operating System
CURRENT COURSES	Advanced Systems Programming in Unix/C

EXPERIENCE

SUMMER 2016	Software Engineering Intern <i>Company: Zebra Technologies</i> <ul style="list-style-type: none">• Upcoming summer internship.
SUMMER 2015	Undergraduate Researcher at Stony Brook <i>Mentor: Prof. Petar M. Djurić</i> <ul style="list-style-type: none">• Conducted research on machine learning algorithms for predicting fetal health based on FHR&UP• Performed data cleaning and feature extraction• Implemented machine learning algorithms in Julia• Presented a poster by the end of the summer• The research was funded by PSEG
SUMMER 2014	Engineering Intern <i>Company: Advanced Cleanup Technologies</i> <ul style="list-style-type: none">• Wrote a web scraping software to obtain information from government websites with PhantomJS.• Implemented a telemetry system to monitor machinery on the field with Arduino Uno.• Implemented a feedback system to optimize cleaning process with Arduino Uno.

SKILLS

EXPERIENCED AREA	Embedded System Programming, Linux Kernel Programming, Machine Learning, Cloud Computing, Web Programming
LANGUAGES	C, Python, Julia, Java, C++, Javascript, Matlab, Haskell, VHDL, HTML, CSS
SOFTWARE TOOLS	Emacs, Git, GDB, Bash shell, Make

PROJECT

FEB 2016 PRESENT	Wolfie Smart Home <ul style="list-style-type: none">• Set up a MQTT broker, a Apache server, and a MySQL database on a Amazon EC2 instance.• Write a MQTT client program for subscribe to topics and update MySQL database.• write backend code in PHP to interact with MySQL.
DEC 2015 PRESENT	USB Unlocker <ul style="list-style-type: none">• Read Linux kernel source code• Write a Linux kernel module for scanning USB devices.• Write a user space executable for doing encryption on a folder.
JUN - OCT 2015	Quadcopter <ul style="list-style-type: none">• Used an evaluation board with a Arm Cortex-M4 micro-controller• Researched and implemented state estimation and control using C
FEB - MAY 2014	Books Exchange Website <ul style="list-style-type: none">• Designed and implemented the layout of the website using Bootstrap and JQuery• Coded backend with Nodejs and MongoDB• Configured and deployed on Heroku