

# Chaojie WANG

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## EDUCATION

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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

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SUMMER 2016	Software Engineering Intern <i>Company: Zebra Technologies(AKA, Motorola Solutions)</i> <ul style="list-style-type: none"><li>• Fix customer issues(software bugs) in mobile devices running with Android.</li><li>• Write Android applications to integrate with the existing systems.</li><li>• Contribute to a web app for mobile devices management with the agile development methodology.</li></ul>
SUMMER 2015	Undergraduate Researcher at Stony Brook <i>Mentor: Prof. Petar M. Djurić</i> <ul style="list-style-type: none"><li>• Conducted research on machine learning algorithms for predicting fetal health based on FHR&amp;UP</li><li>• Performed data cleaning and feature extraction</li><li>• Implemented machine learning algorithms in Julia</li><li>• The research was funded by PSEG</li></ul>
SUMMER 2014	Engineering Intern <i>Company: Advanced Cleanup Technologies</i> <ul style="list-style-type: none"><li>• Wrote a web scraping software to obtain information from government websites with PhantomJS.</li><li>• Implemented a telemetry system to monitor machinery on the field with Arduino Uno.</li><li>• Implemented a feedback system to optimize cleaning process with Arduino Uno.</li></ul>

## SKILLS

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EXPERIENCED AREA	Embedded System Programming, Android Development, Linux Kernel Programming, Machine Learning, Cloud Computing, Web Development
LANGUAGES	C, Python, Julia, Java, C++, Javascript, Matlab, Haskell, VHDL, HTML, CSS

## PROJECT

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