Chaojie WANG

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EDUCATION

STONY BROOK UNIVERSITY	Bachelor of Engineering in COMPUTER ENGINEERING
	Expected Graduation Date: May 2017
	Dean's List 2013, 2014
	GPA: 3.85
CS COURSES	Computer Science I, Data Structure & algorithm, Intro to Software Engineering, Operating System
EE COURSES	Deterministic Signals and Systems, Random Signals and System, Digital Design using VHDL
	Embedded Microprocessor Systems Design

EXPERIENCE

JUN - AUG 2015 — Undergraduate Researcher at Stony Brook
Mentor: Prof. Petar M. Djurić
- Conducted research on machine learning algorithms for predicting fetal health based on FHR&UP
- Read journal papers related to machine learning
- Performed data cleaning and feature extraction
- Implemented algorithms based on Naive Bayes and First-order Markov Chain generative model
- Performed analysis on the testing result of algorithms
- Presented a poster by the end of the summer
- The research was funded by PSEG

JUN - AUG 2014 — Engineering Intern
Company: Advanced Cleanup Technologies
- Wrote a web scraping software to obtain useful information from government websites.
- Implemented a telemetry system to monitor machinery on the field
- Implemented a feedback system to optimize cleaning process.

SKILLS

	Machine Learning, Statistical Modeling, Monte Carlo Simulation, Data Analysis
	Web Programming, Embedded System Programming, a little bit Kernel Programming
COMPUTER LANGUAGES	C/C++, Julia, Python, Java, Javascript, Matlab, Haskell, Assembly, HVDL
SOFTWARE TOOLS	Emacs, Git, GDB, Bash shell

PROJECT

JUN - NOW 2015 — Quadcopter
- Make quadcopter from scratch with a team of four students
- Mostly focus on research and implement state estimation and control
- Use NUCLEO Development Board

FEB - MAY 2014 — Books Exchange Website
- Designed and implemented the layout of the website using Bootstrap and JQuery
- Coded backend with Nodejs and MongoDB
- Deployed on Heroku

SCHOLARSHIPS

SEPT. 2013	Presidential Scholarship
SEPT. 2013	George C. Warner Scholarship