Chaojie Wang

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EDUCATION
- Stony Brook University   GPA 3.79/4.00   Stony Brook, NY
    - Major: Computer Engineering
    - Expected graduation date: May, 2017

RELATED CLASSWORK
- CSE 214: Computer Science II, Introduction to Data Structures and Algorithms
- CSE 219: Computer Science III, Software Engineering Techniques
- CSE 306: Operating Systems
- ESE 380: Embedded Microprocessor Systems Design I
- ESE 305: Deterministic Signals and Systems
- ESE 306: Random Signals and System

SKILLS
- Programming languages: C/C++, Python, Java, Javascript, Matlab, Assembly, VHDL.
- Analysis, machine learning and mathematical modeling.
- Web programming, AVR embedded system programming, and a little bit kernel programming.
- Tools I use: Emacs, Bash shell, Git, GDB.

EXPERIENCE
- **Explorations in STEM**   (June, 2015 – Aug, 2015) Stony Brook, NY
  Researcher
    - Build a mathematical model to describe quorum sensing activities among bacteria.
    - Simulate the model using a computer programming language.
    - Graph and analyze resulting data.
- **Advanced Cleanup Technologies**   (June, 2014 – Aug, 2014) Port Washington, NY
  Engineering Intern
    - Create a scraping software to obtain useful information off from government website, using PhantomJS.
    - Implement a telemetry system with Arduino to monitor pipelines.

PROJECTS
- **Drone**   June, 2015 — present
    - Create a drone from scratch.
    - Team of four people.
- **Journey Through Europe**   Dec, 2014
    - A strategy board game, implemented in Java. JavaFX framework was used.
- **Books Exchange Website:**   Feb, 2014 — May, 2014
    - Design and implement a website for students on campus exchanging books, using Node.js, MongoDB and JQuery.