May Yee Brenda So

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EDUCATION	*Bachelor of Engineering, Electrical Engineering*	September 2014 - May 2018

The Cooper Union for the Advancement of Science and Art, New York, NY
Projected GPA: 3.83

RELATED COURSES

Data Structures and Algorithm I, Computer Architecture, Signal Processing and System Analysis, Electronics I, Digital Logic Design, Discrete Mathematics, Physics Simulation

TECHNOLOGY AND SKILLS

Programming Languages: Python, Java, C, C++, MIPS.
Software: Android Studio, GitHub, IBM Bluemix, Anaconda, Apache Spark, Unity.
Web Technologies: Bootstrap, jQuery, HTML, CSS.

PROJECT WORK

Polldentify — IBM Sparkathon — January 2016 - February 2016
- Developed a web app which traces the historical and current sources of pollution for a given US city.
- Designed web crawling programs and analyzed the data using PySpark.
- Implemented a linear regression algorithm with Mlib to predict future concentrations of pollutants.

Speakify — Adult Literacy XPRIZE Competition — October 2015 - Present
- Developed a mobile app that helps illiterate adults to achieve literacy at their own privacy.
- Utilized Java and Android Studio in both front end and back end processes.
- Cooperated with a dyslexic specialist in goal setting and UI design.

Chua's Circuit — Physics Simulation — November 2015 - December 2015
- Implemented a generic algorithm to analyze the existence of chaos of a three dimensional system with NumPy, SciPy and Anaconda.

EXPERIENCE

Inventor — Invention Factory — June 2015 - July 2015
- Designed and prototyped a CPR device that allows users to perform CPR at the correct depth.
- Wrote and submitted a 15-page provisional patent application to USPTO.

Operator — The Cooper Union Computer Center — Summer 2015 - Present
- Solved technical issues that students and staff faced in school.
- Assisted in technical set up of major events around school.

LEADERSHIP AND AWARDS

IEEE, *President*	February 2016 - Present
Cooper Union Toastmasters, *Vice President Membership*	September 2015 - Present
The Cooper Union, *Half Tuition Scholarship*	2014 - 2018
The Cooper Union, *Innovator's Merit Scholarship*	2014 - 2018