

Wendy Yu

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EDUCATION

Vanderbilt University, Nashville, TN

December 2017

Double Major: Bachelor of Science, Computer Science and Applied Mathematics

Honors: National Society of Collegiate Scholars, Dean's List (4 semesters)

GPA: Overall-3.67/4.00, Math-3.60/4.00, Computer Science-3.67/4.00

WORK EXPERIENCE

BNY Mellon, Pittsburgh, PA

June 2016-August 2016

Client Technology Solutions Associate

- Upgraded ColdFusion server to 2016 version and led the upgrade as project manager
- Saved the company several years of code rewriting and resources with the server upgrade
- Built a web application using ColdFusion, JQuery, and SQL for increased functionality
- Fixed design problems to make the user interface more user-friendly and client-focused
- Implemented test automation with Selenium

Vanderbilt Physics & Astronomy Department, Nashville, TN

January 2017-present

Research Assistant

- Adding functionalities and improving the UI for the Hypatia Catalog and Filtergraph websites using web2py
- Integrating the Filtergraph website with the NASA Exoplanet Archive using Flask and MySQL
- Working on automated software testing for load testing and capacity planning

Vanderbilt University, Nashville, TN

January 2016-present

Tutor

- Tutored students in calculus, physics, chemistry, biology, statistics, differential equations, and MATLAB

PROJECTS

Sentiment Analysis Project

November 2016

Purpose

- Does a Google search regarding a specific stock, and runs the pages through program to determine if a stock is confident or not confident by utilising sentiment analysis

Tasks

- Developed modified PMI-IR algorithm to estimate the semantic orientation of the extracted phrases
- Implemented the part of speech tagger using NLTK for Python
- Created an algorithm to extract specific phrases from the provided pages and sum up the semantic orientations

Blockchain for Medical Uses Project

January 2017-present

Purpose

- Uses Ethereum blockchain platform, leveraging smart contract capabilities to complete file/data transfers from patient to physicians and vice versa

Tasks

- Creating a web interface to interact with reading data from and writing data to the blockchain using GoLang
- Developing a method for encrypting/decrypting the data to be written to the blockchain

LEADERSHIP

National Society of Collegiate Scholars, Vanderbilt University

September 2015-present

Star Status Coordinator

- Communicator between Vanderbilt chapter and national office, keeps organized and detailed record of all activities

SKILLS & LANGUAGES

- Proficient in: C++, Java, MATLAB, Python, C, Javascript/HTML/CSS, SQL (Oracle)
- Familiar with: web2py, GoLang, Flask, Selenium, ColdFusion, Bootstrap, Ethereum, MIPS
- Spoken languages: fluent in Chinese (Mandarin), conversational in German and French