PO YIU (VANESSA) HO

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EDUCATION

Bachelor of Science in Computer Science, *Stony Brook University* May 2018
High School Diploma, *Stuyvesant High School* Graduated June 2014

EXPERIENCE

Web Intern, *Division of Information Technology at Stony Brook University*
September 2015-Present, *Stony Brook, NY*
  - ➢ Utilizing the content management system Drupal 7 to augment Stony Brook University's Research website
  - ➢ Working regularly with innovative modules utilized in Drupal to import and parse XML files that are needed to create and update website content periodically
  - ➢ Using and modifying PHP and CSS code to various content types in Drupal that provide context to the entire website
  - ➢ Harnessing jQuery/JavaScript in Views modules to generate dynamic website slideshows

Accounting Intern, *Spring Studios*
June-August 2017, *Manhattan, NY*
  - ➢ Managed Microsoft Excel spreadsheets to resolve accounts payable statements
  - ➢ Practiced maneuvering with Microsoft Dynamics AX to adjust system's vendor invoice journals
  - ➢ Modified and corrected online Dropbox files concerning billing to ensure precise accounting

TECHNICAL SKILLS

Programming Languages:	HTML/HTML5, CSS/CSS3, JavaScript, jQuery, Java, C, Python 3, PHP
Software Packages:	Microsoft Word, Excel, PowerPoint; Google Drive; Microsoft Dynamics AX
Database Systems:	MySQL, XML/CV extension files, JSON extension files
Content Management:	Drupal 7
Website:	https://vanessaho.github.io
GitHub:	https://github.com/vanessaho

PROJECTS

  - ➢ **Stony Brook Innovation (https://innovation.stonybrook.edu):** Official website for Stony Brook University to market all its available technologies for licensing; built with Drupal, CSS3, PHP, XML, and MySQL
  - ➢ **Technology XML Importer:** XPath XML parser module that is used to create, map, and update node pages on Stony Brook Innovation; built with Drupal, CSS3, PHP, and XML
  - ➢ **BuzzWord Game:** Program that uses object-oriented programming design and a recursive acyclic algorithm for finding all available combinations on the board to ensure that the game can be won; built with Java, JavaFX, CSS, XML, and JSON
  - ➢ **Fitr Application:** Web application with Tinder aesthetics that is built to aide with locating a fitness partner for 24 hours; built with HTML5, CSS3, jQuery, and Firebase
  - ➢ **Dynamic Memory Allocator:** Program that imitates the allocation of dynamic memory by utilizing concepts for segregated free lists with immediate coalescing; built with C
  - ➢ **Shell Implementation:** Program that imitates a real shell environment by utilizing concepts for forking and multiprocessing; built with C
  - ➢ **ARP Cache Poison Detector:** Script that ensures Address Resolution Protocol integrity by using Python's Scapy library to listen to packets; built with Python 3
  - ➢ **Web Application Security:** Utilized the Metasploitable VM to practice defending against SQL Injections, Cross-Site Scripting, and Denial-of-Service attacks on a vulnerable web server

EXTRA CURRICULUM ACTIVITIES

HackHealth 2018 Winner - Best Fitness App
NSCS (National Society of Collegiate Scholars) Invitee