Riley Wong

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EDUCATION

STONY BROOK UNIVERSITY
BS in Computer Science
College of Engineering and Sciences
Expected May 2018 | Stony Brook, NY
Cum. GPA: 3.36

SKILLS

LANGUAGES

Proficient
Java • Python
Experienced
C# • C++ • C • CSS/HTML
Familiar
XML • MIPS Assembly • Javascript • Prolog • SML

SOFTWARE

Android Studios • Sublime • Eclipse • NetBeans

COURSEWORK

UNDERGRADUATE

Current Courses
Databases • Principles of Programming Languages • Security • Networking
Past Courses
Operating Systems • Machine Learning • Object Oriented Programming • Natural Language Processing • Theory of Computations • Algorithms • System Fundamentals I/II

LEADERSHIP

Theta Tau Professional Engineering Secretary • Web Master • Recruitment Chair

AWARDS

Hack@Cewit - Most Health-Conscious Technology for Health care $500 Prize
Dean's List
Presidential Scholarship

WORK EXPERIENCE

BROADRIDGE | Applications Development Intern

Brentwood, NY | July 2017 – August 2017

- Designed and developed batch application using Microsoft .NET framework 4.6.2 to load data by reading files into Oracle DB
- Application was used later to make processing different file types easy
- Worked with technologies such as SMTP, Apache log4net and Sandcastle Help File Builder

TEACHING ASSISTANT | Data Structures and OOP

Stony Brook, NY | September 2017 – December 2017

- Wrote scripts in Java and Shell to grade students' assignments
- Created lessons and labs with professor to teach honors CS students in topics including: data structures, search algorithms, source control and more
- Helped students by hosting office 3 hours a week to answer questions

PROJECTS - GITHUB.COM/RILEYWONG

FLIGHTBOOKS - AIRLINE BOOKING WEB APP | Java, CSS, HTML

Fall 2017

- Created a web application similar to Expedia Booking services. Allowed users to Book Flights, managers to add flights, observe flights and more
- Utilized technologies such as IntelliJ, Postman and Visual Studio Code.

SCOPE - MEDICAL IMAGING | Java

Stony Brook, NY | February 2017

- Utilized OpenCV to capture live feed images and processed different markers found in the images
- Calculated the simple regression using the data points found in the images, more images would produce accurate results. The data points would represent the curvature of a person's spine and therefore could be used to detect scoliosis
- Won the most Health-Conscious Tech for Healthcare's sake

MULTITHREADING - REDUCTION OF DATA | C

Stony Brook, NY | December 2016

- Sped up data parsing greatly by using multithreading to parse through different data files in a directory to aggregate statistics.
- Worked with mutexes, semaphores, and pthreads to support multithreading with buffers, readers/writers and sockets
- Learned about concurrency, thread safety, and how aggregating large data concurrently can be extremely useful

UML CLASS DIAGRAM | Java

Stony Brook, NY | January 2016 - May 2016

- Created a graphical user interface using JavaFX to allow users to create classes, variables, interfaces, methods etc. to design their own program
- Added a function to import to Java source code when the user is finished creating diagrams. Users could save diagrams using JSON files