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Stanley Yip

Education:

Brown University, Providence, Rhode Island
Bachelor of Science | Class of 2021 (May)
Major: Computer Science (Undeclared)
Major GPA: 4.0

Adv. Technologies Academy, Las Vegas, Nevada
High School Diploma | Class of 2017
Major: Website Design & Development
Final Weighted GPA: 4.8

Relevant Coursework:

CSCI 0150 - Intro to Object Oriented Programming
CSCI 0160 - Intro to Algorithms and Data Structures
CSCI 0330 - Intro to Computer Systems
CSCI 1300 - User Interfaces and User Experiences

MATH 0200 - Multivariable Calculus
MATH 0520 - Linear Algebra
MATH 1580 - Cryptography

Professional Experience:

Brown University Computer Science Graphics Lab, Providence, Rhode Island
Undergraduate Research Assistant | March 2018 - Current
  - Worked on a team led by Prof. Andries van Dam in the Pen and Touch Computing Center.
  - Planned and implemented a PDF view with inline annotation capabilities.
  - Designed algorithms for organizing PDF text selections and increased PDF selection speed by 10x.
  - Implemented arbitrarily customizable linking between a vast list of arbitrary document types.
  - Planned, designed, and implemented an interface for creating and customizing versatile layout
    templates that can be applied to any document type (images, PDFs, text notes, etc.).

CSCI 0150 - Intro to Object Oriented Programming UTA, Providence, Rhode Island
Undergraduate Teaching Assistant | August 2018 - Current
  - Revised and graded course projects, labs, and assignments.
  - Held four office hours weekly to assist students in understanding course concepts, debugging code,
    and answering questions regarding the course and its assignments/projects
  - Led two weekly labs and design sections to prepare students for upcoming projects

WBRU Radio, Providence, Rhode Island
Technology Team Intern | February 2018 - Current
  - Worked on the website development team on the front-end implementation of two pages.
  - Worked on the mobile development team on prototyping and front-end implementation of two screens.

Techical Skills:

Ordered from most to least proficient
  - **C#** & **XAML** (Universal Windows Platform), learned and used in research
  - **Figma, Proto.io, Framer,** & **Sketch**, learned and used in WBRU internship and CSCI 1300 - UI/UX. Also used
    for various projects including my personal website and while prototyping for research
  - **Java** & **Python**, learned and used in CSCI 0150 - Intro to Object Oriented Programming and CSCI
    0160 - Intro to Algorithms and Data Structures
  - **C**, learned and used in CSCI 0330 - Intro to Computer Systems
  - **HTML/CSS, PHP,** & **mySQL**, learned in high school web design courses and used in personal projects
  - **JavaScript** & **jQuery**, learned and used in personal and freelance web design projects

  - **Github** & **Git Bash**, learned in research lab, used in research lab and various group projects
  - **SolidWorks** & **MatLab**, learned and used in ENGN 0030 - Introduction to Engineering

  - **Personal Website**, www.stanleyyip.com
      Over winter break of my first year, I created a personal website to keep track of my work experience
      and my graphic design portfolio. During this project, I learned more about design, HTML/CSS, and
      Javascript than I have in any of my courses up until then.