

SAKSHAM ARORA

Authorized to work in the US for any employer

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SUMMARY

Experience in front-end website design and development, website maintenance and information security using several front-end technologies like HTML5, CSS3, Bootstrap and JavaScript. Deep understanding of UI/UX design principles and working knowledge of responsive (mobile-first) web page design.

EDUCATION

State University of New York at Buffalo, Buffalo, NY

B.A., Computing and Applied Mathematics

December 2017

Relevant coursework: Data Structures in C++; Digital Systems; Discrete Mathematics; Introduction to Java; Numerical Analysis; Linear Algebra; Probability and Statistics; Partial Differential Equations

COMPUTER SKILLS

- **Operating Systems:** Windows, Mac, Linux
- **Programming Languages:** Java, C++, Python, Shell
- **Web Technologies:** HTML5, CSS3, JavaScript, jQuery
- **Frameworks:** Bootstrap
- **Databases:** SQL, Microsoft Access
- **Tools:** Eclipse, Visual Studio, Xcode, Pixelmator Pro

WORK EXPERIENCE

Web Developer, Subboard, Inc., State University of New York at Buffalo, Buffalo, NY (Jan 2016 - Present)

- Conceptualized, planned, and executed original designs for a mobile responsive website www.subboard.com that helped provide information and services to new enrolled students
- Built user interface and designed overall user experience using HTML, CSS, JavaScript and Bootstrap for www.subboard.com
- Managed and updated Microsoft Access Database for offcampushousing.buffalo.edu by performing frequent updates based on user requirements and troubleshoot to resolve any issues
- Developed a WebView iOS app for Subboard website
- Developed a mobile app on iOS for WRUB (radio station for UB) to enable users to play music while the phone is locked

Network Administrator Assistant, State University of New York at Buffalo, Buffalo, NY (Jan 2016 - Present)

- Supported in assembling the web server for www.subboard.com
- Assisted in setting up Apache server on Ubuntu to install IT ticketing system
- Assisted in setting up two tier PKI hierarchy on windows server for pharmacy to ensure better security and HIPAA compliance
- Installed printers, computers, and other computer peripherals for various Subboard department personnel

Student Worker, Campus Dining, State University of New York at Buffalo, Buffalo, NY (Aug 2013 - Dec 2015)

- Performed routine duties in dining hall such as food preparation, plating and serving food, verifying meal plans, cleaning kitchen and dining facilities and stocking supplies
- Communicated and provided assistance to customers as needed

RELEVANT PROJECTS

- **MaxHeap** – Implemented a vector-based MaxHeap data structure in C++
- **Sorting-Stanford-SNAP-Files** – Wrote several functions in C++ to Sort/Traverse a file that stores edges of a graph in Stanford SNAP file format in C++

- **Scrabble Game** – Implemented several functions and tests in Scrabble game for a team project in Java
- **Matching Game** – Implemented a matching game with three different columns using swing components and event handling
- **Temperature Converter Application** – Built a temperature converting app on iPhone using swift programming
- **Heat Variation Graphs** – Plotted several heat and wave equations graphs using Python in Partial Differential Equations

ACTIVITIES

- Participant, Hackathon (UBHacking), University at Buffalo, 2014
- Member, Indian Student Association, University at Buffalo, 2013 - 2017
- Member, High School Soccer team, 2012
- Member, High School Badminton team, 2011