Ishan Sethi

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EDUCATION

Stony Brook University, NY   May 2020
B.S. In Computer Science
B.S. In Applied Mathematics and Statistics
Minor In Business Management

FIRST Robotics Team #3624   September 2012 – June 2016
Director of Engineering
- Practiced technical skills such as Computer Aided Design, soldering, fabrication, C++ and LabVIEW.
- Elected as the M.V.P for the SBPLI Hofstra regional.

SKILLS

Software Skills: Java, HTML 5, CSS 4, BootStrap, JavaScript, Node.JS, Angular.JS, Express.JS, MongoDB, Git VCS, Bash, Unix, JavaFX, C++, C, C#, BASIC, Q-BASIC, LabVIEW, LaTeX, MS Office (Word, Excel, PowerPoint), Blender, Autodesk Inventor, Solidworks and Windows..
Electrical Skills: Soldering, selective soldering, electronic testing, electronic assembly, PCB Manufacturing, PCB Design, PCB Application and Finished PCB Programming.
Mechanical Skills: Power tools, hand tools, Metallurgy, Aluminum/Steel Fabrication and assembly experience/efficiency.

WORK EXPERIENCE

Lab Engineer/Lab Manager   May 2017 – Present
Shah Experimental Neurorehabilitation Laboratory, Stony Brook University, Stony Brook, NY
- Managed all aspects of the lab so research can effectively be done. This entailed the website (HTML/CSS/JavaScript/PHP), all proprietary software, and all hardware that needed to be produced.
- This also requires the delegation of tasks to make sure that no data is compromised, all results are found and mistakes are corrected.
- The main thing the Lab focuses on is research in Spinal Cord Injuries and Spinal Cord Rehabilitation.

Electronic Testing and Assembly/Quality Assurance – Intern   May 2016 – September 2016
Cox & Co, Plainview, NY
- Tested niche aircraft parts which would be sold to OEMs like Airbus and Boeing.
- Understood harness and niche aircraft components.
- Improved skill set to an industrial level (selective soldering, PCB design and PCB programming).

Webpage/Application Development – Intern   April 2014 – September 2014
Quantum Secure Inc., San Jose, CA
- Contributed to the full stack development process by converting mock-up designs to websites for clients using HTML, CSS and JavaScript
- Implemented efficient ways to manage things like Physical Identity through RFID systems.

FIRST Robotics Mentor for Team #3624   June 2016 – Current
Half Hollow Hills, High School East, Dix Hills, NY
- Teach students HTML and CSS so the Students can maintain and update the team website
- Teach students basic engineering skills that will entice them to go into STEM.

Sales Associate   July 2015 – January 2016
Best Buy, Huntington, NY
- Learned how to efficiently sell a product and generate revenue.
- Generated $400,000 in revenue over the span of 5 months of employment and was the number one associate in the PC department.

PROJECT EXPERIENCE

Hack@CEWIT – Best Medical Application Sponsored by Softheon, Inc.   February 2017
Center of Excellence in Wireless and Information Technology (CEWIT), Stony Brook, NY
- We used Java for the processing and made an app using FXML for the GUI.
- We implemented the idea of using image processing captured by a regular webcam which then told the subject standing in front of it if they showed signs of structural scoliosis based on the direction of their spinal activity.
- This was indicative of much more sophisticated disease detection that can be achieved in the currently plateaued Medical Imaging Industry.