

# BAIBHAV BHATTARAI

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Project portfolio at <https://baibhavbhattacharai3.wixsite.com/baibhav>

## PROFILE OF QUALIFICATIONS

- Strong analytical, interpersonal communication and leadership skills that were honed while working with post-market surveillance team on designs, resolving product issues and working cross-functionally with external teams.
- Completed academic pursuits toward a BS in Biomedical Engineering from The University of Texas at Arlington, three+ years of internship and research experience on innovative biomedical projects
- Played a key role in the Genetic Engineering Society as Director of Events; recognized as "Rookie Resident Assistant of the Year"; achieved award "Outstanding Freshman Scholarship" for 4 years.
- Six Sigma Green Belt certified with complementary skills in AutoCAD, SolidWorks, C, MATLAB, and LabVIEW

## PROFESSIONAL DEVELOPMENT

The University of Texas at Arlington | *BS, Biomedical Engineering, Magna Cum Laude (May 2019)*

## WORK EXPERIENCE

### **Stryker Spine | Post-Market Surveillance Engineer** **Aug 2019 – Present**

- Review primary investigations of products and medical device records for each complaint record.
- Make conclusions based on product analysis, to determine root cause of the alleged deficiency of the product.
- Work with the Quality team during audits by gathering necessary data and performing actions needed.
- Comply with the U.S. Food and Drug Administration (FDA) regulations, company policies, operating procedures, processes and task assignments.
- Work with the NC/CAPA team to identify records that are related to certain NCs/CAPAs, and report to the FDA.

### **Cadmus Dental | Biomedical Engineering Intern** **June 2018 – May 2019**

- Leveraged top-notch expertise in engineering to facilitate GMP FDA quality system regulations 21 CFR Part 820 and ISO: 13485 dental implants while leading team members on IQ, OQ, and PQ procedures
- Guided a cross-functional project team through every phase of development and FDA-approval processes
- Responded quickly to any issues and work proactively to investigate, identify, and overcome any setbacks
- Ensured that all testing requirements are met within the outline project framework to optimize quality control
- Expertly developed and improved inspection, validation and complaint investigation for medical devices.

### **The University of Texas at Arlington / NIH | Undergraduate Research Assistant** **Aug 2017 – May 2019**

- Evaluated design specifications to ensure they are aligned with the project's scope while simultaneously documenting quality testing results to inform the ongoing project and ensure that expectations are being met
- Coordinated with Dr. Fenghua Tian on research in transcranial laser stimulation of the prefrontal metabolism in PTSD to analyze the effects of chemical modulation of the pre-frontal cortex with HOMer
- Maintained compliance with all FDA regulations and GCP while conducting the project studies

### **Bioengineering Department at UT Arlington | Biomedical Research Intern** **May 2017 – Aug 2017**

- Honed experience in quality control while isolating and replicating component defects to support the research
- Directed a four-member team on the mechanical testing of medical implants to identify optimal designs through careful data processing and results in the analysis; worked to motivate team members and overcome difficulties
- Completed ICH GCP training for medical devices and maintained database of suppliers.
- Worked extensively with CAD designs to develop brain probes for research after resolving multiple complications

### **UT Arlington / NASA / TSDC | Undergraduate Research Assistant** **Sept 2016 – Feb 2017**

- Undertook training in Mesh Network IPv6 in collaboration with NASA to modify WiFi hardware systems
- Expedited the deployment of Delay-Tolerant Networking Architecture by supporting open-source Linux software.
- Worked closely with the faculty to have proper research resources available for specified research projects.