

Connor B. King

Professional Experience:

Brainlab, Inc. Boston, Massachusetts (& neighboring states in New England)

Application Consultant November 2016- Present

Provided clinical consultation about a wide variety of image guided surgery products to surgeons throughout the New England area. Participated in cranial, ENT, orthopedic, and spinal surgical procedures inside hospital operating rooms. Required a combination both medical and technical knowledge, skills in technical support and troubleshooting, and aspects of sales & customer relations.

Rutgers Neuroengineering Department Newark, New Jersey

Research Engineer September 2015 - December 2016

Helped create an experimental procedure using trans-cranial magnetic stimulation (TMS) to stimulate ipsilateral motor neurons and developed software for non-invasive stroke rehabilitation therapies with a neuro-navigation suite called BrainSight.

NJIT Nanotechnology Department Newark, New Jersey

Research Assistant May 2015 - September 2015

Developed and manufactured micro-fluidic devices and impedance based neurobiological sensors using soft/stereo lithography. Learned about the wound healing process and how electrical stimulation effects the clotting cascade.

BAE Systems Totowa, New Jersey

Engineering Intern May 2011 - September 2011

Worked at a government funded defense contractor with engineers to restructure and improve inventory records while learning about electrical sensors, wireless communications, and electronic calibration for precision measurement devices.

Education:

New Jersey Institute of Technology Newark, New Jersey

B.S Biomedical Engineering September 2011 - May 2016

Minor in Applied Mathematics

Livingston High School Livingston, New Jersey

High School Diploma September 2007 - May 2011

Independent study in Robotics and Industrial Engineering.

Contact Information

Address

1 Repton Place #1432
Watertown, MA 02472

Phone

862-485-8079

Email

cbking2292@gmail.com

LinkedIn

linkedin.com/in/connorbking

Software Proficiencies

Microsoft Office Suite

- Word
- Excel
- Powerpoint
- Project

Adobe Suite

- Photoshop
- Illustrator
- Premier

Autodesk 3D Suite

- Inventor
- AutoCAD
- (Transferable skillset to PTC, Pro E., etc.)

Programming

- MATLAB
- PHP
- HTML
- MySQL
- Java (Limited Proficiency)

Skills & Technology

Computer Diagnostics

Product Design

Manufacturing Processes

Relevant Coursework

Core courses in Mechanical Eng.

Core courses in Electrical Eng.

Core courses in Biology

Elective courses in Neuroscience

Volunteer Services

FIRST Robotics: NJ FTC 2008 - Present

Tau Delta Phi Fraternity 2011 - 2015

Additional Attributes:

Freelance CAD Designer / 3D Modeling

Northern New Jersey

CAD Designer

June 2008 – Present

Modeling and machining parts for custom modifications to small engines and competition robots using Autodesk Inventor and AutoCAD.

Developed Prototype for Medical Device

Newark, New Jersey

Product Development

September 2015 – December 2016

Invented and designed a medical air brace which automatically maintains proper air pressure to aid in healing soft tissue injuries in the foot and ankle. (Patent Pending)

Hosting and Managing Gaming Server

Livingston, New Jersey

Software Development

December 2010 – Present

Self-taught in web-design using PHP, HTML, CSS and Java for the purpose of maintaining an active user base for the popular video game, Minecraft.

Founded Livingston Lancer Robotics Team

Livingston, New Jersey

Lead Design Team

September 2008 – May 2011

Learned to design, program, build and operate robots for problem solving. Competed in competitions across the country against international teams in the "FIRST Technology Challenge (FTC)". Founded the team my sophomore year in high school, and I continue to mentor the team today.