

 **Brandon Gilliland**

Email: bgilliland94@gmail.com Website: BrandonGilliland.com

Education

The Harriet L Wilkes Honors College at Florida Atlantic University (2013-2015)

- *Obtained B.A in Biological Sciences concentration with a focus on neuroscience research*
- *Cum Laude Honors*

St. Johns River State College (2010-2013)

- Obtained an Associate of Arts (A.A) degree through dual enrollment before graduating high school

Research and Internship Experience

THE SCRIPPS RESEARCH INSTITUTE IN JUPITER, FLORIDA (2013-2015)

Worked in the neuroscience department in the Seth Tomchik lab studying neurofibromatosis type 1 in *Drosophila melanogaster*. The specific scope of my research project was to find how Nf1 mutations impair memory related plasticity in the brain. The project consisted of olfactory classical conditioning experiments, *in vivo* microsurgery, fluorescence and confocal microscopy, immunohistochemistry, and analyzation using MATLAB software.

PALM BEACH NEUROSCIENCE INSTITUTE IN WEST PALM BEACH, FLORIDA (2014-2015)

Internship in Dr. Neil Patel's clinic seeing patients and learning about neurological disorders specifically relating to pediatric and adult neurosurgery.

ST. MARY'S MEDICAL CENTER IN WEST PALM BEACH, FLORIDA (2014-2015)

Internship shadowing Dr. Neil Patel in pediatric and adult neurosurgery. Emphasis was on diagnosis, treatment, and operative procedures for neurological problems such as hydrocephalus, chiari malformation, spina bifida, syringomyelia, and other neurological disorders.

ORTHOPAEDIC ASSOCIATES OF ST. AUGUSTINE (2013-PRESENT)

Work closely with an orthopedic spine surgeon examining cases, interacting with patients, and learning about pre-operative, operative, and post-operative procedures involved in orthopedic spine surgery.

FLAGLER HOSPITAL IN ST. AUGUSTINE, FLORIDA (2012-PRESENT)

Voluntary internship shadowing the specialities nephrology, cardiology, cardiovascular surgery, orthopedic surgery, and neurosurgery. I have spent close to five hundred hours in the operating room between orthopedic surgery, neurosurgery, and other specialties observing procedures.

Work Experience

SCRIBESOLUTIONS MEDICAL SCRIBE (2016)

Work as a medical scribe for Flagler Hospital Emergency Department and for Dr. Haycook at Orthopaedic Associates of St. Augustine

CLUBZ MATH AND SCIENCE TUTOR (2016)

Work as a math and science tutor for middle and high school students in the Jacksonville area

THE FIRST TEE OF NORTH FLORIDA (2014-2016)

Worked as a golf instructor managing the pro shop, helping with golf clinics for children, and running tournament events and outreaches for the company.

BRAINWORX TUTOR (2015)

Worked as a science and math tutor for middle and high school students

GILLILAND INSURANCE GROUP (2010-2013)

Worked as an agency assistant answering phones, taking payments, and served as key role in converting the agency to a paperless document management system.

GUITAR INSTRUCTOR (2011-PRESENT)

Teach acoustic, electric, and bass guitar lessons to middle and high school students

Long-Term Volunteering

QUANTUM HOUSE (2013-2015)

Collaborated with others to design crafts and activity programs for children and families going to West Palm Beach Children's Hospital for medical procedures

EL SOL (2013-2015)

Worked with this organization to help teach English classes to local Hispanic immigrants in the South Florida region

ST. AUGUSTINE YOUTH AMBASSADORS PROGRAM (2011-2015)

Served as a college advisor for the youth program which taught leadership and helped lead community service events in St. Augustine. The main purpose of the organization was to prepare middle and high school students to properly serve the city for the 450th birthday celebration which the King and Queen of Spain, as well as other country diplomats, will be attending. The organization is well known in the North Florida region due to its active involvement in the community.

WORSHIP LEADER (2009-PRESENT)

Serve with local churches and ministries leading worship teams and events primarily in the Northeast Florida region. (6,000+ hours)

Interests

- Served on seven mission trips
- Served as a leader for Christ Fellowship Young Adults Ministry in downtown West Palm Beach campus
- Worked as a college advisor for a youth ambassador program in St. Augustine
- Play competitive golf tournaments throughout the year in my spare time
- Build websites and help set up successful blogs for others
- Manage a Christian leadership website that has grown to over 25,000 followers
- Active on social media promoting health, leadership, and living an intentional lifestyle
- Enjoy long boarding at the beach and other outdoor activities
- Always up for adventure in the outdoors such as white water rafting, biking, climbing, etc.
- Trained on confocal microscope
- Proficient in *in vivo* surgical procedures on *Drosophila melanogaster*, immunohistochemistry, fluorescence microscopy, and neurophysiology relating to neuroscience

Honors and Accolades

- Graduated Cum Laude
- The National Society of Collegiate Scholars Nominee at FAU
- Honors College Science Research Scholarship for Junior Undergraduate Research Students (\$2,000)
- Bedford Honors Science Scholar
- The Chastain Foundation Scholarship
- Honors College Foundation Scholarship
- Fred and Kit Bigony Scholarship

Publications

- **"Amplify!" (2014):** self-published ebook which discusses how to make an impact on others through intentional living
- **Florida Atlantic University Undergraduate Research Journal (2015)-** "Understanding Multiple Sclerosis by Examination of Theories in Medical Literature" (Journal Publication)
- **Harriet L. Wilkes Honors College at Florida Atlantic University Thesis (2015)-** "Nf1 Mutations Impair Memory Related Plasticity in *Drosophila melanogaster* Mushroom Bodies"

Presentations

- **Harriet L. Wilkes Honors College Research Symposium (2015)-** Nf1 Mutations Impair Memory Related Plasticity in the *Drosophila melanogaster* Mushroom Bodies (Poster)
- **Florida Atlantic University OURI Undergraduate Research Symposium (2015)-** Nf1 Mutations Impair Memory Related Plasticity in the *Drosophila melanogaster* Mushroom Bodies (Poster)
- **Christ Fellowship CityPlace (2015)-** Speaking presentation on intentional leadership principles
- **Glossopharyngeal Neuralgia Speaking Presentation (2015)-** Presentation for a class at the Harriet L. Wilkes Honors College on the ninth cranial nerve and its associated neuralgia
- **Environmental Effects of Animal Agriculture (2015)-** Presentation on environmental impacts of animal agriculture for an ecology class