

# Tyler Bradshaw

NEUROBIOLOGY PHD CANDIDATE

Durham NC, USA

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*"Be the change that you want to see in the world."*

## Summary

I am 5th year PhD candidate in Neurobiology at Duke University. My PhD work utilized proteomics to generate maps of subcellular organelles. I have extensive experience working at the 'bench' where I helped deploy cutting edge tools in molecular neuroscience. I am a self-taught programmer and data scientist. My work draws together ideas and approaches spread across the fields of proteomics and computer science to help bridge gaps in our understanding of the neurobiology of disease.

## Work Experience

### Soderling Laboratory, Department of Cell Biology, Duke University

*Durham, NC*

RESEARCH TECHNICIAN

*May 2014 - May 2016*

- Established use of CRISPR tools in the Soderling lab
- Performed immunoblotting, immunostaining, and cell and tissue culture
- Maintained mouse colony with >30 strains of mice

## Honors & Awards

2018-2021 **Ruth L. Kirschstein National Research Service Award**, NIH NRSA 5F31NS113738-03

*Duke University*

## Presentation

### DevFest Seoul by Google Developer Group Korea

*Seoul, S.Korea*

PRESENTER FOR <HOSTING WEB APPLICATION FOR FREE UTILIZING GITHUB, NETLIFY AND CLOUDFLARE>

*Nov. 2017*

- Introduced the history of web technology and the JAM stack which is for the modern web application development.
- Introduced how to freely host the web application with high performance utilizing global CDN services.

### 6th CodeEngn (Reverse Engineering Conference)

*Seoul, S.Korea*

PRESENTER FOR <DEFCON 20TH : THE WAY TO GO TO LAS VEGAS>

*Jul. 2012*

- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF

## Publications

### A Guide for Developers in Start-up

*Facebook Page*

FOUNDER & WRITER

*Jan. 2015 - PRESENT*

- Drafted daily news for developers in Korea about IT technologies, issues about start-up.

## Education

### Duke University

*Durham, North Carolina*

PHD IN NEUROBIOLOGY

*Fall 2015 - Spring 2021*

- Soderling Laboratory

### University of Washington

*Seattle, Washington*

BS IN MOLECULAR, CELLULAR AND DEVELOPMENTAL BIOLOGY

*Fall 2010 - Spring 2014*

- Bornfeldt Laboratory