

# Bradley Schwarz

UX/UI DESIGNER · SOFTWARE DEVELOPER

704-241-2153 | bjschwa2@gmail.com | www.bradleyschwarz.com | bjschwa2

## Summary

Current UI/UX Engineer at Aqueti. 4+ years experience specializing in frontend development, interface design, and making complex systems easy to use. Interested in...

## Work Experience

### Aqueti Inc.

Durham, NC

SOFTWARE DEVELOPER

Sept. 2016 - Present

- Lead a small team to create a distributed ecosystem for viewing, and maintaining Aqueti camera systems
- Designed and build Vue Electron Application Client for camera specific viewing Experience
- Designed, built, and deployed Vue progressive web application for administrative management of Aqueti camera systems
- Designed an overall service architecture and pipelines for supplying high quality streaming to browsers using GStreamer and WebRTC
- Implemented Socket.io API layer for Aqueti OS allowing for cross platform applications integration
- Assisted in designing C API for Aqueti OS
- Designed and Implemented various QT applications for setup, maintenance, and operation of Aqueti camera systems
- Participated in the design and implementation of a scalable image acquisition and and compositing system consisting of high resolution multi-sensor camera arrays with distributed rendering and storage

### Oscar Labs

Raleigh, NC

SOFTWARE DEVELOPER

Jan. 2014 - May. 2016

- Participated in the design of a web application to track and organize projects
- Assisted with the development and maintenance of various Django applications

## Education

### North Carolina State University

Raleigh, NC

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Aug. 2012 - May. 2016

- Minor in Cognitive Science

## Extracurricular Activity

### NC State Human Factors and Ergonomics

Raleigh, NC

COGNITIVE PSYCHOLOGY RESEARCH

Jan. 2018 - Present

- Designed and implemented study to determine correlations between mindfulness and aspects of cognition
- Designed study to examine the potential negative effects of mindfulness and automated tasks

## Skills

**Back-end** Django, REST API, Socket.io, Flask, QT

**Front-end** HTML5, Vue, Electron, Vuetify, Bootstrap

**Programming** Node.js, Python, LaTeX, JavaScript, C, C++, CSS

## Additional Experience and Awards

2012 **Eagle Scout**, Boy Scouts of America

Charlotte, NC

2011 **Fine Arts**, The Governors School of North Carolina

Raleigh, NC