

Bradley Schwarz

UX/UI DESIGNER · SOFTWARE DEVELOPER

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Summary

Current UI/UX Engineer at Aqueti. 4+ years experience specializing in frontend development, interface design, and making complex systems easy to use. I enjoy looking at the fundamental aspects of something and examining its meaning and the purpose it brings to the world, oh and making it pretty too.

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

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

Charlotte, NC

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

Raleigh, NC