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 and Awards

2012	**Eagle Scout**, Boy Scouts of America		*Charlotte, NC*
2011	**Fine Arts**, The Governors School of North Carolina		*Raleigh, NC*