

KAYLEIGH ALDEN SEMERARO

ksemera@g.clemson.edu (843)-343-9126

EDUCATION

Bachelor of Science in Computer Science

Clemson University

Emphasis: Software Development & Graphic Design/Animation

Minors: Digital Production Arts & Mathematics

Scholarships: SC Palmetto Fellows, SC Palmetto Fellows Enhancement, Clemson Palmetto Pact

Spring 2018

Clemson, SC

GPA: 3.82/4.0

WORK EXPERIENCE

Software Engineer Intern

May 2016-August 2016

Blackbaud

Charleston, SC

- Worked on software-defined infrastructure adding Dev-Ops capabilities for engineering teams and solutions
- Created an extension that allows smaller subsets of functionality to be managed which reduced dependence on a single process
- Gained experience working in an environment that utilized agile software development with scrum principles

Resident Assistant

Fall 2015-Present

Clemson University

Clemson, SC

- Facilitated community development through social and academic programs
- Ensured the safety of over 150 residents by creating an inclusive environment and enforcing university policies

Surf Shop Attendant

May 2015-August 2015

Wild Dunes Resort

Isle of Palms, SC

- Provided excellent customer service for up to 50 patrons per shift in a fast-paced environment
- Demonstrated keen attention to detail by managing financial transactions totaling up to \$2000

RESEARCH EXPERIENCE

iOS Sensors and Attachments Creative Inquiry

Fall 2015-Fall 2016

Clemson University

Clemson, SC

- Collaborated with 7 students to design an iOS application for the Clemson University History Department
- Expanded programming experience through the development of an iOS application using Swift and OS X
- Explored software design tailored to a specific user's need

Realistic Animation of Hand Movements Using Motion Capture Technology

Fall 2015-Spring 2016

Departmental Honors Research Thesis

Clemson University

Clemson, SC

- Collaborated with a professor and a team of graduate students on this project as the sole undergraduate representative
- Investigated what manipulations of the hand animations are most perceptible to the audience and what manipulations make the animation look more or less realistic
- Analyzed and implemented various techniques that improve the animation of human actions

TECHNICAL SKILLS AND PROGRAMMING LANGUAGES

Programming Languages: Java, JavaScript, C, C++, Swift, HTML, XML, SQL, Python, C#, Visual Basic, Microsoft PowerShell

Software: Microsoft Office, Windows, iOS, OS X, Linux, Blue Jay, Eclipse, Git, Visual Studio

HONORS AND ACTIVITIES

Calhoun Honors College Member

Fall 2014-Present

Clemson University President's List

Fall 2014, Fall 2015

Clemson University Dean's List

Spring 2015, Spring 2016

Clemson University Symphonic Band Member

Fall 2015

Cinema Club Officer

Fall 2014-Present

Clemson University ACM Member

Fall 2014-Present