Cale Geffre

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CG

Education

University of Wisconsin - Madison
B.S. in Computer Engineering, expected May 2018
GPA : 3.3 / 4   Department GPA : 3.7 / 4
Dean's List : 3 / 4 Semesters

Experience (see online portfolio: CaleGeffre.me)

Living Environments Laboratory, CAVE Programmer
Wisconsin Institute for Discovery, Madison, WI — September 2016 - Present
- Work on pipeline for processing LiDAR scan data into 3D point cloud models
- Assist in vizHOME research project as technical lead, running participants through the 3D virtual reality home walkthroughs

Seagate, Firmware and Data Reliability Intern
Shakopee, Minnesota — May 2016 - Augusts 2016
- Created simulations of reliability systems for modelling firmware enhancements
- Created python tools for parsing through hex files and program outputs for quicker access to drive information
- Debugged and created solutions for firmware code issues

Living Environments Laboratory, Undergrad Research Assistant
Wisconsin Institute for Discovery, Madison, WI — August 2015 - May 2016
- Worked with vizHOME project assisting lay people in using 3D virtual reality technology, for purposes of researching health information management

Activities

BadgerloopVR Team Member
Madison, Wisconsin — October 2016 – Present
- Creating virtual reality simulation of hyperloop travel for UW's team in the SpaceX HyperLoop competition.
- Development with HTC Vive, Unity, C#

Volunteer with Living Environments Lab
Madison, Wisconsin — August 2015 – Present
- Participate in outreach events, get people informed/interested in virtual reality.

Division 1 Student Athlete, Rowing
Madison, Wisconsin — Fall 2014 – Fall 2015
- Committed intense hours to achieve both academic and athletic goals

Skills

- Languages comfortable with : C, C++, Python, Java, Excel VBA
- Software comfortable with: QT, Unity, Visual Studio, Autodesk Inventor
- Agile/Scrum Experience
- Some C#, HTML, CSS, Javascript experience