

Travis Whitten

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Education

UNIVERSITY OF GERGIA | MAY 2019 | ATHENS, GA

Bachelor of Science in Computer Systems Engineering

Related coursework: Embedded Systems Design, Design of Digital Systems, Advanced Digital Design, Sensors and Transducers, Electrical Circuits, Systems Programming, Data Structures

Skills

Software: Proficient in clean software programming in Assembly, C, C#, and C++, and experience with LabVIEW, Verilog, Java, and Unity3D.

Hardware: Proficient in circuit design and logic design with experience in development for Motorola 68HC11, FPGA, myDAQ, and Arduino.

Projects

Senior Capstone Gulfstream Project

- Collaborated with *Gulfstream Aerospace Corporation* to implement emerging technology involving virtual reality and eye-tracking.
- Developed test environments within Unity to track a user's gaze using Pupil Labs' HTC Vive Eye Tracker and conducted a study to visualize a heatmap of participants' gaze locations.

Sensors & Transducers Course Project

- Demonstrated the viability of providing positional data using a sole accelerometer sensor, rather than traditional GPS.
- Utilized an IR LED/ phototransistor pair, a GPS sensor, and an accelerometer mounted on a bicycle to compare the precision and accuracy of each method.

Independent Arduino "Knock Lock" Project

- Programmed an Arduino using a piezoelectric sensor and servo motor to recognize knocks, allowing special knock patterns to unlock a door.

Work Experience

IT SUPPORT STAFF | UGA COLLEGE OF ENGINEERING | ATHENS, GA | AUGUST 2015 - PRESENT

- Developed and maintained the use of a K2000 systems deployment environment, used to quickly and uniformly set up new college computers, reducing deployment time and employee resources by more than 50%.
- Led the training of 3 new student workers in the scope of their responsibilities and use of various tools, software, and the systems deployment appliance.
- Provided hardware and software support for classrooms and labs for faculty, staff, and students.
- Developed strong and professional written and verbal communication skills, as well as the ability to efficiently update supervisors with information on project development.