Michael C. Micros

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EDUCATION

Old Dominion University   *Expected graduation: Dec 2017*
Major: Computer Engineering
Minor: Computer Science, Electrical Engineering
Overall GPA: 3.82/4.0

RESEARCH EXPERIENCE

Undergraduate Research Assistant   August 2015 - Present

Advanced Signal Processing in Engineering and Neuroscience Lab
Research work predominantly in the field of Brain Computer Interfaces(BCI) :

- Brain signal acquisition and analysis used for controlling human computer interfaces.
- Assisting EVMS in identifying neural processes correlated with PTSD recovery and treatment.
- Assisting NASA in experimental design for testing the effects of workload on attention.
- Extensive use of MATLAB programming and machine learning techniques.
- Development in C++ and Android.
- Peer review of journal submissions.
- Experimental design.

Undergraduate Researcher   June 2017

Intelligent Ground Vehicle Competition (IGVC)

- Captain of IGV team representing Old Dominion University at the 25th Annual Intelligent Ground Vehicle Competition (IGVC)
- Responsible for development of lane detection software and integration.
- Development in Linux with use of Python, OpenCV and ROS.

SKILLS & STRENGTHS

Programming

C++, Linux, MATLAB, Python, JavaScript, SQL(Oracle), LaTeX, Java, Assembly, VHDL, R, Standard ML

RELEVANT COURSEWORK

CS 450/550: DATABASE CONCEPTS

Exposure to 3 level database architecture, relational algebra, SQL and PHP

CS 432/532: WEB SCIENCE

Extensive use of Python and Javascript for web mining, data visualization, machine learning, web archiving and collective intelligence.

CS 350: INTRO TO SOFTWARE ENGINEERING

An exploration of the software development process, with an emphasis on the tools and techniques that support project teams (Github, Redmine, Jenkins).

AWARDS

Dean's List, Academic Honors Scholarship, ODU Alumni Association Scholarship, ODU Presidential Scholarship