DANNY MOOLCHAND

contact@dannyrm.com   352-216-6511   www.dannyrm.com   github.com/moolchand-danny

EDUCATION

University of Florida   Gainesville, FL (2016–2020)

- Bachelor of Science (BS): Computer Engineering
- Relevant Coursework: Data Structures and Algorithms, Introduction to Software Engineering, Information and Database Systems, Microprocessor Applications, Introduction to Computer Organization, Signals and Systems, Introduction to Software Testing (IP), Introduction to Cryptology (IP)

TECHNICAL SKILLS

Programming	ARM/AVR Assembly, C/C++, Java, Python, HTML, CSS, Javascript, VHDL, MySQL, MATLAB
Frameworks	MongoDB, AngularJS, Express.js, Node.js, JUnit4
IDE	Eclipse, Visual Studio, Atmel Studio
Technologies	GitHub, Git, Altera Quartus, MATLAB
Knowledge	Object-oriented principles, Agile development, Test-Driven Development

PROJECTS

Piano Synthesizer using Atmel XMEGA Microprocessor

- *C, Assembly*
- Created a piano synthesizer using the ATXMEGA128A1U microprocessor. Using keyboard keys as piano keys, the user is able to play the 6th octave C scale. This program utilized a sin-wave look-up table and ADC conversion to create necessary frequency through the speaker.

Study Spots Web Application for CEN3031: Introduction to Software Engineering

- *JavaScript, HTML, CSS, NodeJS, AngularJS, Express.js, MongoDB, Git, Github, Agile development*
- Contributed to the design and development of study room reservation system. Users view buildings on UF campus and can view, create, and reserve rooms for studying

INVOLVEMENT

UF Solar Gators

Member, Electrical Team   Gainesville, FL (August 2019 - Present)

- Currently utilizing Altium to design PCBs for the electrical system of a solar powered car.

Association for Computer Engineers (ACE)

Member   Gainesville, FL (August 2018 - Present)

- Collaborated and networked with interdisciplinary students to work on future projects
- Expanded membership of the club through recruitment

WORK EXPERIENCE

Dave Home Improvement Inc.

Laborer   Orlando, FL (Winter 2018)

- Assisted head carpenter in removing furniture and carpet from homes and installing new flooring
- Maintained and performed general maintenance on tools such as repairs, changing belts, etc

Apopka Marathon

Stock Clerk   Apopka, FL (Summer 2015)

- Imported new inventory and created product deals in VeriFone Sapphire register database using a proprietary program.
- Maintained and restocked low inventory on sales floor

AWARDS AND HONORS

Florida Bright Futures Scholarship   August 2016 - Present

Lake County Top Scholars Award   May 2016