

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, Altium(IP)
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