Jan Rainer "JR" Jamora

Current Address

21 Ace Avenue, Apt 2307
Starkville, MS 39759
janrainer.jamora@gmail.com
(901) 825-1000

Permanent Address

9324 Lake Bridge Drive
Lakeland, TN 38002

OBJECTIVE

Dedicated and highly driven electrical engineer with knowledge in software development and UAVs. Seeking an electrical engineering internship before graduate school to grow my knowledge of avionics.

EDUCATION

Mississippi State University, Starkville, MS
Bachelor of Science in Electrical Engineering, August 2015 – Present
- **Overall GPA: 3.96**   **Anticipated Graduation Date: May 2019**
- **Minor:** Mathematics
- **Coursework:** Introduction to Radar, Solid State Electronics, Digital Signal Processing, Microwave Remote Sensing, Advanced Electronic Circuits, Microprocessors, Fundamentals of Energy Systems
- **Study Abroad:** Summer 2016, Engineering Mechanics I in Cardiff, Wales

WORK EXPERIENCE

Mississippi State University, Starkville, MS
Undergraduate Research, August 2018 – Present
- Researched into software-defined radios and their use in UAV applications
- Leveraged GNU Radio to use ETTUS N210 and X310 SDRs as spectrum analyzer
- Designed code to fully utilize SDRs to maximum capacity

Undergraduate Worker, January 2017 – May 2018
- Assisted with organizing recruiting events for the Famous Maroon Band involving hundreds of participants
- Maintained database of student information for data collection
- Updated current processes to expedite and optimize day-to-day operations

Insitu, Bingen, WA
Electronic Hardware Intern, May 2018 – August 2018
- Tested damaged avionics components on various products inside damaged UAV's for customer requirements
- Pinpointed critical design flaws inside UAV engines to save over $100,000 of inventory
- Analyzed circuit schematics to explore alternative components and their use inside UAV's

Molex, Incorporated, Maumelle, AR
Engineering Intern, May 2017 – August 2017
- Designed software for data collection automation and server upload from multiple production lines
- Analyzed 10 years' worth of legacy production data to organize onto external server
- Updated and translated product libraries from Visual Basic to C# for better compatibility with future software

RELATED SKILLS

- Proficient in Microsoft Word, PowerPoint, Outlook, and Excel
- Experience with Python, MATLAB, Mathematica, C, C++, C#, and Visual Basic
- Experience with Cadence OrCAD for circuit design and LTSpice for circuit simulations

INVOLVEMENT

- Bagley College of Engineering Study Abroad Ambassador (August 2017 – Present)
- Famous Maroon Band: Tuba Section Leader (August 2016 – Present)
- Volunteer with Missionaries of Charity in Memphis, TN (August 2014 – Present)

ACHIEVEMENTS

- Chevron UPP Scholarship Recipient (January 2016)
- Shackouls Honors College Member (August 2015 – Present)
- Phi Theta Kappa Member (September 2016 – Present)