John Doe

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EDUCATION

AN EAST COAST UNIVERSITY
BS in Electrical Engineering
BS in Biometric Systems
May 2017 | Small Town, WV

LINKS

LinkedIn:// **myname**
Facebook:// **MyName**
Twitter:// **@MyName**
YouTube:// **MyName**
Github:// **MyName**

COURSEWORK

Photonics
Thermodynamics
Electromechanical Energy Conversion
Engineering Electromagnetics
Analog Electronics
Digital Electronics
Signals & Systems 1 & 2
Digital Signal Processing (DSP)
Digital Image Processing (DIP)
Microprocessor Systems
Digital Logic Design
Computer System & OS Concepts
Computer Security
Biometric Systems
Molecular Genetics
Forensic Statistics
Applied Modern Algebra

SKILLS

OPERATING SYSTEMS
Windows • Linux (Arch, Ubuntu) • Android

PROGRAMMING
Strong:
Java • Shell (Bash) • MATLAB
Familiar:
C • Python • HTML • LaTeX

OTHER TECHNICAL

- Excellent troubleshooting skills – OS's, hardware, software, mechanical
- Leadership ability – excel in resolving conflicts in teams, and keeping members goal-focused
- Unique talent for finding obscure and "better" technologies/ methodologies, for any problem

PROJECTS

LED BASKETBALL TRAILER | Senior Design Project
Fall 2016 - Spring 2017 | Youtube Demo Video

- Our team designed and built a fully mobile, LED-equipped Basketball Game Trailer, sponsored by New Vision Renewable Energy (nvre.org) to raise money for cancer societies
- Lights "dance" to whatever music is playing, using Fourier transforms on a Teensy microcontroller to create a colorful, synchronized audio-visual lightshow

RESEARCH

MY UNIVERSITY | Undergraduate Research Assistant
July – Sep 2016 | Slideshow Link
Assisted **Dr. <Professor>** with a computer vision research project over the summer. We investigated classic algorithms such as SIFT as well as novel methods to perform image forgery detection, specifically on copy-paste attacks.

EXPERIENCE

BLACK BOX | Electrical Engineering Co-Op Intern
May – Aug 2014 and Jan – May 2015 | Lawrence, PA

- Worked with teams of engineers from different disciplines to design and test PCBs for KVM switch products
- Tested prototype designs and helped to swiftly resolve issues in their development

LEIDOS (SAIC) | Biometrics Engineer / Sysadmin Intern
May – Aug 2013 | Alexandria, VA

- Researched for an Independent R&D project, and collaborated with supervisors to create recommendations for the direction of the project
- Worked closely with IT administrators to manage the integrity and organization of the LAN, and aided in various other IT-related tasks

OTHER ACTIVITIES AND INTERESTS

- <School> Space Public Outreach Team (SPOT) – gave presentations to WV K-12 schools on Mars, telescopes, and astrophysics, to educate and garner youth interest in STEM
- Blockchain technology – started a local **meetup.com group** for discussion, education, and advice on the burgeoning cryptocurrency market, and its future
- Video games – especially finding and tinkering with novel input methods, such as the unique Steam Controller, and carefully tweaking input data to be more "true-to-life", improving competitive performance
- Computing & graphics hardware – keeping current with newest manufacturing processes for AMD and Nvidia GPU and SoC architectures

REFERENCES AVAILABLE UPON REQUEST