MADISON PISONE

in madison-pisone • Laurel, MD • (301) 741-1874 • mkp35@pitt.edu

OBJECTIVE

Seeking a co-op or internship position in Computer Engineering or a related technical field that utilizes my analytical and technical skills.

EXPERIENCE

Northrop Grumman Corp., Redondo Beach, CA, USA   June - Present '20
College Technical Intern
- Currently Working on the FPGA Comm. Systems Team in Space Systems converting Simulink Models to rtl to verify FPGA block designs
- Verification and Analysis of VHDL Code implemented in FPGAs on Satelites to move closer to groundbreaking solutions in communications

Orbis Technologies, Inc., Sydney NSW, Australia   May – July '19
Software Developer Intern
- Handpicked to lead an effort to create technical documentation (APIs, Architecture, Release Process) for the new acquired Orbis product, TopLeaf XML Publisher
- Worked directly with the software developers and senior leadership to document data services and system architecture.
- Tasked to redesign updated sections of the Australian subsidiary (Turn-Key Systems) and provide technical assistance & product support to U.S. technical and programmatic leadership in support of a staffing increase in Australia.

Orbis Technologies, Inc., Annapolis, MD, USA   May – July '18
Software Developer Intern
- Utilized Nielsen Heuristics to perform a comprehensive analysis of the user interface and user experience (UI/ UX) for a company solution program
- Worked as a team with the product manager and developers to streamline the UI and improve the UX by identifying area for improvement and providing technical approaches to resolve UI/UX issues
- Presented my findings to the Executives and IT department at Orbis in order to inform co-workers of the program's inconsistencies
- Imaged company laptops and set-up workspaces for new employees

EDUCATION

University of Pittsburgh | Swanson School of Engineering
B.S. in Computer Engineering; Minor in Vietnamese
Major GPA: 3.23 | Expected Graduation: Summer 2021

PROJECTS

First Year Engineering Career Conference   April '18
- *"The Application of Carbon Nanotubes in Aircraft Construction"*
- Researched the potential structural advantages of carbon nanotubes in commercial aircraft
- Presented findings at Pitt SSOE's 18th Annual Freshman Conference

SKILLS

- **Languages:** Java, JavaScript, VHDL/ Verilog, HTML, C, C++, MIPS Assembly
- **Software:** HDL Designer, Altera Quartus, ModelSim/ QuestaSim, Simulink MATLAB
- **Operating Systems:** Linux, Windows, Mac OS
- **Tools:** Oscilloscope, Multimeter
- **Gallup Strengths:** Restorative, Individualization, Achiever, Arranger, Strategic

ACTIVITIES

University of Pittsburgh
- Pitt Women's Ultimate   August '18 – Present
- Engineering Student Board (ESB)   August '17 – Present
- Society of Women Engineers   August '17 – Present

REFERENCES

Brian Ippolito
CEO, Orbis Technologies, Inc.
(410) 371 - 9423
bippolito@orbistechnologies.com