

ALEXANDER RANDON

Gainesville, FL ♦ Alexander.Randon@gmail.com

OBJECTIVE

Seeking a full-time position or internship as design engineer or any related job title where I can not only demonstrate my technical skills in design, but also fulfill my passion for electronics and music.

EDUCATION

University of Florida

Bachelor of Science in Electrical Engineering, Magna Cum Laude, 3.70 GPA, May 2010

- *Relevant Courses* – Microprocessor Applications, Digital Design, Digital Logic, Electronic Circuits I & II, Programming for Electrical Engineers (Python), Programming in C, Electrical Engineering Design I & II, Linear Control Systems, Audio Design, Electroacoustic Composition, Audio Design for Digital Production
- *Relevant Projects* – Kaossonome Midi/OSC Controller, Visual Synthesizer, Python Mix Tape, Algorithmic Step Sequencer, Wavetable Synthesizer using TI's C2000 DSP, Mini Touch Sequencer (in progress)

EXPERIENCE

Independent Research and Study, University of Florida, May 2009 – August 2009

Self-Conducted Summer Study and Research

- Explored modern techniques in controlling audio signals, software and hardware musical devices, lights, robotics, and wireless devices.
- Used these tools to design software instruments, audio/midi effects, workflow enhancing utilities, and to synchronize a number of devices within a musical system.

Research Experiences for Undergraduates (REU), North Carolina State University, May 2008 – August 2009

Miniature Antenna Design for Retinal Prosthesis

- Assisted in the design of a retinal prosthetic device used to restore vision to the blind.
- Explored the operational characteristics of compressed, spiral, and fractal antenna designs.

Audio/Visual Services, University of Florida, January 2007 – May 2007

Crew Chief/Movie Projectionist

- Prepared and managed the audio and visual components for various concerts, films, presentations, and theatrical performances on campus.
- Mixed monitors and controlled lights during concerts, performances and presentations.

CORE Elevator, Boca Raton, FL, May 2006 – August 2006

Intern

- Assisted in the installation and repairs on types of elevators
- Sharpened my knowledge of electro-mechanical devices

Part-Time Employment

- *American Apparel*, Downtown Gainesville, FL, August 2006 – January 2007
- *Cannoli Kitchen*, Boca Raton, FL, February 2005 – August 2005
- *Cillufo's Pizza*, Boca Raton, FL, August 2004 – February 2005
- *Outback Steakhouse*, Boca Raton, FL, May 2003 – July 2004

ACTIVITIES & SKILLS

Computer Skills

- *Design* – LTSpice, Multisim, Ultiboard, Eagle, Altium Designer, Code-Composer v4, AVR Studio 4, Quartus, MATLAB, Simulink
- *Languages* – C/C++, VHDL, Assembly (with TI's C2000), Python, XML, Wiring, Basic
- *Audio* – Max/MSP/Jitter, Csound, Supercollider, Ableton Live, Logic Pro, Mainstage, Pro Tools

Electronics – Design, build, and repair various types of electronic devices, with a strong focus on music.

Music – Composition, sound design, recording, and mixing.

AWARDS/ ORGANIZATIONS

ECE Handley Scholarship Award, capstone design course competition winner, Spring 2010

Audio Engineering Society (AES), unofficial UF Chapter, August 2009 – Present

Institute of Electrical and Electronics Engineers (IEEE), member, August 2009 – Present

Eta Kappa Nu (HKN), member, 12/2008 – Present

Dean's List, Spring 2009, Fall 2009, Spring 2010

George Snow Scholar, awarded 2 separate scholarships, August 2005 – May 2010

Bright Futures Scholar, 100% tuition funds for college career, August 2005 – May 2010