

Andrew E. Elias

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EDUCATION

Louisiana State University (LSU), Baton Rouge, LA May 2013
Bachelor of Science, Mathematics, Actuarial Science concentration, Physics minor. **GPA: 3.98**

EXAMS (SOA/CAS)

Exam P/1 Passed Jan 2012
Exam FM/2 Passed Dec 2012
All VEE requirements are to be completed before graduation.

EXPERIENCE

Tutor, LSU's Center for Academic Success, Baton Rouge, LA Jan 2013 – present
Help students with math, physics, and economics homework problems.
Collaborate with peers, ensuring each student is aided by the most qualified tutor available.

Researcher/Programmer, Naval Research Laboratory, Stennis Space Center, MS May 2011 – Aug 2011
Used MATLAB to process/analyze/visualise experimental data stored in Excel format.
Dreamt up many new ways to analyze old data.
Debugged pre-programmed experiments for the EyeLink 1000 eye tracker.
Learned basic Python syntax to put custom code into Experiment Builder (software).
Presented findings to my section, my branch, and visitors via PowerPoint.
Initial stages of publishing two papers on the cognitive psychology of vision.

Student Programmer, Center for Computation and Technology at LSU, Baton Rouge, LA Oct 2010 – May 2011
Reviewed Java source code written by coworkers.
Learned how to use the Java regex package for a code parsing project.
Became familiar with Java, Linux, and Eclipse (IDE).

Swim Instructor & Lifeguard, New Iberia Recreation Department, New Iberia, LA May 2010 – Aug 2010
Taught children (preschool – 13 years old) the basics and intricacies of swimming.
Cooperated as a team to effectively guard swimmers, give first aid, and manage time.

Laboratory Assistant, LSU Mechanical Engineering Department, Baton Rouge, LA Sep 2009 – May 2010
Made and prepared polymer microfluidics chips for experimental use.
Used laboratory equipment including a lab oven, sonic mixer, band saw, and table saw.
Learned to write macro codes in ImageJ (image processor) and read over existing scripts.

IT Office Assistant (summer), Quail Tools, New Iberia, LA May 2006 – Aug 2008
Hooked up hardware for new computers, printers, monitors, terminals, etc.
Installed and updated software on new computers.
Answered the IT Help Desk phone.
Served at a nearby high school, setting up computer hardware and software.

HONORS

LSU CxC Distinguished Communicator (see www.AndrewElias.info for extended portfolio), LSU Honors College Sophomore Honors Distinction; Porcelli Junior Award for undergraduate mathematics; Eagle Scout (Boy Scouts of America); Taylor Opportunity Program for Students (TOPS) Honors Award; National Merit Finalist; Chancellor's Honor Roll.

SKILLS*

**listed in decreasing order of my familiarity*

Softwares: Word, Excel, PowerPoint, Photoshop/GIMP, SAS Enterprise Guide, Subversion.
Languages: MATLAB, C++, HTML/CSS, Mathematica, LaTeX, SAS, Java, JavaScript, R, Python.
Etc: Math (ACT 36, SAT 800), French (conversational), Windows, Linux, soldering & basic electronics.
Certifications: Excel with Business: "Proficient" user of Microsoft Excel, First Aid, CPR.

ACTIVITIES

Communication-Intensive Curriculum (see www.AndrewElias.info for extended portfolio), Actuarial Student Association, LSU IEEE robotics team (programming leader), Math Club, photography, intramural sports, math competitions, Leading Edge, community theatre, Boy Scouts of America, volunteering. *[revision: Apr 2013]*