Alexia Gaines

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Education

University of Cincinnati, OH   Aug 2014 - May 2019

Bachelor of Science, **Electrical Engineering**   GPA: 3.72/4.00

Bachelor of Arts, **Communications**

Dean's List | UC Honors Program

Technical Work Experience

Electrical Engineer Co-op   May 2017-August 2017

Standex-Meder Electronics, Cincinnati, OH

- Validating design and test procedures
- Optimizing device operation and reliability

Research Assistant, Department of Engineering Education   Feb 2017-Present

University of Cincinnati, Cincinnati, OH

- Working on study to improve engineering students learning and retention
- Analyzing & coding interview results

Research Assistant, Electrical Engineering Lab   May 2015-Aug 2015

University of Cincinnati, Cincinnati, OH

- Conducted research on resistive pulse sensing in nano-pore devices for DNA detection
- Used MATLAB to simulate varied parameters to predict behaviors of a nano-pore
- Presented data from research to peers and faculty
- Wrote internal summary paper on gathered data and results
- Attended workshops to enrich knowledge in field

Computer Skills, Language Skills & Certifications

- MATLAB, Basic C++ Programming, Solidworks, B2 SPICE, and Microsoft office products
- Hand Soldering for Terminals Certified (2017)
- Korean (Elementary Proficiency) & English (Native Fluency)
- CITI Certified (2017), VITA Certified (2017)

Conferences, Workshops & Events

- World Affairs Councils of America (WACA) National Conference (Nov. 2017)
- KeyBank Leadership Symposium (Nov 2017)
- ASEE Conference (June 2017)
- Grace Hopper Conference (Fall 2016)
- SparkUC (Idea Innovation Event) (Nov 2015)
- Ready for Research, RECON (Fall 2014)

International Experience

Chongqing University, Joint Co-op Institute   Dec 2016

- Traveled to China as liaison of JCI Engineering Diplomats
- Strengthened partnership between UC and CQU
- Gathered data to use for senior design program development

Korea University (KU) & Sogang University, Seoul, South Korea   Feb 2016-July 2016

- Completed Electronics I, Electronics I Lab, & Signals and Systems I at KU
- Completed Korean-taught language curriculum at both universities
- Built interpersonal relationships with students from all over the world
- Maintained intermediate knowledge of Korean

Engineering Leadership & Activities

- CEAS Engineering Diplomats, Co-Founder & Committee Head (Aug 2016 - Aug 2018)
- CEAS Equity and Inclusion Committee, Undergrad Student Liaison (Sept 2016 – Present)
- Eta Kappa Nu, Secretary (April 2017 – Present)
- ACM-W, Secretary (June 2015 – May 2016)
- Emerging Ethnic Engineers, Member (Aug 2014 – Present)
- Emerging Ethnic Leaders, Member (Nov 2014 – May 2015)
- RECON Mentoring Program, Mentee (Dec 2014 – May 2015)
- WISE Research Program, Researcher (May 2015 – Aug 2015)
- Protégé Research Program, Researcher (May 2015 – Aug 2015)
- Society of Women in Engineering(SWE) Mentoring Program, Mentee (Aug 2014 – May 2015)

Non-Technical Work Experience

Public Relations Intern   Jan 2018 - Present
Created Solutions LLC, Cincinnati, OH

- Designing and launching company website
- Managing social media accounts
- Creating content for client training sessions
- Planning and hosting company events (e.g. book launches)

Peer Advisor in Office of Nationally Competitive Awards (NCA)   Aug 2016-Aug 2017
University of Cincinnati, OH

- Delivered info sessions and presentations (e.g. writing workshops & award overviews)
- Created and updated content for NCA publications and social media
- Conducted outreach with student organizations & academic departments
- Provided guidance to potential applicants aspiring to apply for awards
- Assisted with planning and staffing NCA events

Teacher's Assistant in Collaborative Calculus   Aug 2014-Dec 2014
University of Cincinnati, OH

- Assisted professor in teaching class material to students
- Reinforced information by leading class activities
- Clarified ideas and concepts for others

Chemistry Tutor   Aug 2013-Jan 2014
Dayton, OH

- Tutored classmates over one semester in given class material
- Facilitated group projects
- Clarified ideas and concepts for students

Non-Technical Leadership & Activities

- Worldfest Proposal & Budgeting Committee, Member (Jan 2018 – March 2018)
- ROAR Campus Tour Guide (Jan 2015-Aug 2017)
- BEARchats, Peer Mentor (Sept 2014- Apr 2018)
- Turner Scholars, Mentor (Aug 2015 – Aug 2016)
- UC International Office, Volunteer (Aug 2014-Aug 2016)
- Lambda Society, Lock-in Chair (Feb 2017 – Present)
- AACRC Gospel Choir, Member (Aug 2014-Aug 2017)
- United Black Student Association Leadership Committee, Member (Jan 2015-Aug 2015)
- Transitions Mentoring Program, Mentee (Aug 2014 - May 2015)

Awards & Certifications

- CEAS Engineer of the Month Award, Recipient (2017)
- SMART Scholarship, Semifinalist (2017)
- WACA Nat'l Conference Scholarship, Recipient (2017)
- David L. Boren Scholarship, Recipient (2015)
- Darwin T. Turner Plus Scholarship, Recipient (2014 – Present)
- Cincinnatus University Scholarship, Recipient (2014 – Present)
- LSAMP Scholarship, Recipient (2014 – 2016)
- Dayton Pearl A. Dale & Audrey Parker Scholarship, Recipient (2014 – Present)
- Dayton Korean Grace Church Scholarship, Recipient (2014 – 2016)
- Provost Scholarship, Recipient (2014 – 2015)

Honoraries & Recognitions

- 2nd Place, KeyBank Leadership Symposium Pitch Competition
- Featured in UC Foundation's Scholarship Donor Impact promotional materials (2016)
- Featured in UC's "Face of UC: ROAR Guides" Promotional Video (2015)
- Recognized and showcased by the Dayton Foundation in their magazine for receiving a Dayton Foundation Scholarship (2014)
- Eta Kappa Nu Honors Society
- CWEST Honorary
- Lambda Society
- Alpha Lambda Delta Honors Society
- Phi Theta Kappa International Honors Society

Volunteer Experience

- 40 hours completed to present in 3rd year in college (Aug 2016-Present)
- 50 hours completed during 2nd year in college (Aug 2015 -Aug 2016)
- 50 hours completed by end of 1st year in college (Sept 2014 - April 2015)