

Samuel F. Genty

sam.genty@gmail.com

512-496-1017

EDUCATION

Texas A&M University, College Station, TX B.S., Computer Engineering (CS Track) May 2018

University of Houston, Main Campus, Houston, TX Computer Engineering

GPA: 3.75

OBJECTIVE

To obtain a computer or software engineering internship.

EMPLOYMENT

Ingersoll Rand, Nexia Residential Home Solutions Co-Op, Tyler TX

May 2016 – Dec. 2016

- Designed and developed a prototype Android based Thermostat GUI
- Developed Wi-Fi Camera test setups and tested Wi-Fi Camera hardware; analyzed test data and wrote detailed test plan
- Automated Wi-fi Camera test results for Nexia website developers

Duke University Talent Identification Program (TIP), Teaching Assistant

Summer 2015

Taught gifted high school students in a classroom setting. Lessons included engineering topics such as geological formations and non-renewable/renewable energy. Led research projects. Fostered an environment conducive to students' educational goals and social development. TA for the following courses:

- Geoscience Today & Tomorrow: Unlocking the Power of the Planet, *Rice University*, Houston TX
- Design Challenges: Physics & Engineering, *Rollins College*, Winter Park, FL

Oil/Water Stabilization Research Group, UH

Spring 2014 – Fall 2014

- Research in Nanoparticle-Stabilized Emulsion for Applications in Enhanced Oil Recovery (EOR) under the direction of Dr. Fang Wang

TECHNICAL SKILLS

Programming Languages: C++, Java, Python, JavaScript, Mat lab, LabVIEW, AngularJS

Software: GIT, Android Studio, Cygwin, Wireshark, tshark, Matlab, LabView,

Hardware: Arduino, Raspberry Pi, mBed, Soldering Skills, Ability to refurbish and assemble computers and printers.

RELATED COURSES

Data Structures and Algorithms

Discrete Structures Computing

Computing for Engineers & Statistics

Digital System Design

Thermodynamics

HONORS and AWARDS

Texas A&M Dean's Honor Award, College of Engineering

Spring 2016

IBM TJ Watson Memorial Scholarship Recipient

2013 - Present

UH Houston Chapter, Gas Processors Association Scholarship Recipient

2015

UH Dean's List

2013 - 2015

UH Academic Excellence Scholarship Recipient

2013 - 2015

ACTIVITIES

Phi Kappa Phi Honor Society, *Member*

2015

American Association of Drilling Engineers, *Events Committee Chairman*

2014 - 2015

- Attend meetings geared toward the application of petroleum engineering principles in the field.
- Organized sporting events and mock interviews.

American Chemical Society (ACS), *Member*

2013-2015

COMMUNITY

TAMU Big Event: April 2016

Round Rock Area Serving Center: Re-purposing computers for underprivileged children.

American Chemical Society: Science fair judge, test administrator, and science demonstrations (Rainbow Challenge).

UH Engineering College: High School Engineering Open House Volunteer, April 2015; Mars Rover Competition, Campus Tour Guide, Administration Assistant Volunteer, January 2014 & 2015.

UH Offshore Industry Crawfish Boil: Volunteered for on-campus social, May 2014 & 2015.