ALYSSA JONES

Software Engineer

CORE SKILLS

Python, Java, R
Postgres, MongoDB, Google BigQuery
React, HTML, CSS. Javascript
Springboot, Django, Flask
Git/Github

CONTACT ME!

Mobile: 210-606-8997
Email: alyssayellle@gmail.com
Portfolio: alyssayelle.github.io
Github: @alyssayelle

PERSONAL PROFILE

Artist and researcher turned software engineer with a passion for bringing beautiful designs and innovative ideas to life. Powered by curiosity, creativity, empathy, and enthusiasm, I enjoy solving technical problems and working to build a happier and healthier world.

EDUCATION

THE UNIVERSITY OF TEXAS AT AUSTIN

Bachelor of Science in Mathematics

- Principal French Horn, University Orchestra
- Fellow, Intellectual Entrepreneurship Program
- President, German Club

WORK EXPERIENCE

INSTITUTE FOR GEOPHYSICS

Laboratory Technician, 2016 - 2018
Undergraduate Research Assistant, 2010 - 2016

- Researched and implemented efficient machine learning algorithm for automated subglacial lake detection
- Identified regions of potential hydrological activity using GIS software
- Trained visiting research scientists and incoming students to use geophysical mapping software
- Tracked ice layers and measured thickness of the Antarctic ice sheet for NASA and NSF funded projects

AMERICAN EXPRESS DEVELOPER ACADEMY

Software Engineer, Fall 2019

- One of 23 students selected out of 1100 applicants
- Designed and built full stack web applications using MVC design framework and RESTful APIs

PROJECTS

RAIN ON ME

Weather application

React, D3.js, Dark Sky API

ALL THE GOOD POEMS I'VE LEFT BEHIND

Poetry generator

Javascript, HTML, CSS

LOVE LETTERS TO DOGS

Social media experience dedicated to dogs & the people who love them

Python, Django, Postgres

FORGET ME NOT

Lifestyle application that manages my calendar & suggests outfits based on local weather report

React, Java, Springboot, Postgres

PUBLICATIONS

Jones, A., Tansey, W., Greenbaum, J., Scott, J., Blankenship, D. Subglacial lake detection via a discrete autoregressive change point analysis. 2017 Joint Statistical Meetings, Baltimore, Maryland.

Young, D., Powell, E., Richter, T., Greenbaum, J., Gutowski, G., Greene, C., Ng, G., Kempf, S., Quartini, E., **Jones, A.**, Rosales, A., Blankenship, D. Deep troughs dissect the Marie Byrd Land subglacial highland: Initial results of the GIMBLE survey. 2013 WAIS Workshop, Sterling, Virginia.