ALYSSA JONES

Software Engineer

SKILLS

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

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.

CONTACT ME!

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

EDUCATION

THE UNIVERSITY OF TEXAS AT AUSTIN

Bachelor of Science in Mathematics

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

EXPERIENCE

AMERICAN EXPRESS DEVELOPER ACADEMY

Software Engineer, Autumn 2019

- One of 25 students selected out of 1200 applicants
- Designed and built full stack web applications using MVC design framework and RESTful APIs

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

PROJECTS

YELLE INTO THE VOID

Full-stack artist website

React, Spring Boot, Java, Postgres

QUAD SQUAD

Social media experience dedicated to leg day

Java, Spring Boot, Javascript, CSS, HTML

RAIN ON ME

Weather tracker

React, D3.js, Dark Sky API

ALL THE GOOD POEMS I'VE LEFT BEHIND

Poetry Generator

Javascript, HTML, CSS

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.