

ALLISON KWAN

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EDUCATION

Georgia Institute of Technology, Atlanta, GA Exp. Graduation: Dec 2023
B.S., Computer Science GPA: 4.0
Coursework: Data Structures & Algorithms, Object-Oriented Programming

SKILLS

Programming: Java, Python, JavaScript, HTML/CSS
Technologies: React, Flask, AWS Elastic Beanstalk, AWS CodePipeline, Heroku, Selenium, Git
Software: QlikView, Confluence, Excel, MATLAB, LabVIEW

WORK EXPERIENCE

Data Visualization Intern, Analog Devices May 2021 – Present

- Developed a collaboration site for the Automotive Customer Quality team to communicate current key performance metrics to upper-level management executives and external auditors.
- Embedded 35 QlikView charts in the site to display live data pulled from remote servers.
- Redesigned a QlikView dashboard to help 20 engineers identify major disruptions in 200+ ongoing global customer quality processes.
- Developed a script to automate engineers' completion of recurring web browser tasks.

Software Development Lead, Tree-Plenish, 501(c)(3) Nonprofit Jan 2021 – Present

- Created a full stack web application using React and Flask for 2,000+ student volunteers across 20 states to access school-specific private data from a PostgreSQL database.
- Developed a Web API (Flask) to retrieve data; secured endpoints with HTTP Basic Authentication. Deployed site with AWS Elastic Beanstalk and AWS CodePipeline.
- Designed method to collect marketing campaign data by adding parameters to destination URLs. Collaborated with intern to develop a script to parse key metrics from access logs.

CLUBS & ACTIVITIES

Front-End Developer, Big Data Big Impact Jan 2021 – May 2021

- Constructed an application via React Native for users to upload a crop image and determine disease present on the crop in real-time with a deep learning algorithm (93% accuracy).

Senior Consultant, 180 Degrees Consulting Georgia Tech Jan 2021 – May 2021

- Led a team of 5 consultants to redesign an existing online member dashboard for the Junior League of Atlanta to improve volunteers' understanding of their role in the organization.

PROJECTS

Voices of the Vaccine Feb 2021

- Developed a neural network to perform sentiment analysis on vaccine tweets (90% accuracy).
- Created a data visualization tool to display results on an interactive geographic map.
- Won Best Overall project in Hacklytics competition (555 global participants).

ACADEMIC RESEARCH

Research Assistant, Arizona State University May 2019 – Aug 2020

- Co-authored an engineering manuscript; published by *Polymer* in January 2021.
- Used Excel to perform data analysis on extensive epoxy tensile testing data.
- Developed a data acquisition program on LabVIEW for a gas permeation unit.