

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, AWS RDS, AWS Elastic Beanstalk, AWS CodePipeline, Git
Software: QlikView, Confluence, Excel, MATLAB, LabVIEW, Autodesk Inventor

WORK EXPERIENCE

Data Visualization Intern , Analog Devices	May 2021 – Aug 2021
<ul style="list-style-type: none">Developing a collaboration site for the Automotive Customer Quality team to communicate current key performance metrics to upper-level management executives and external auditors.Displaying live data pulled from multiple servers by embedding QlikView charts.Performing data analysis on extensive quality engineering data using QlikView.	
Software Development Lead , Tree-Plenish, 501(c)(3) Nonprofit	Jan 2021 – Present
<ul style="list-style-type: none">Creating a full stack web application using React and Express for 2,000+ student volunteers across 20 states to access school-specific private data from a PostgreSQL database.	

CLUBS & ACTIVITIES

Data Visualization Developer , Big Data Big Impact	Jan 2021 – May 2021
<ul style="list-style-type: none">Used React Native to construct an application for users to upload a crop image and determine disease present on the crop in real-time with a deep learning algorithm (93% accuracy).	
Front-End Developer , Coffee Chat (Local Startup)	Jan 2021 – May 2021
<ul style="list-style-type: none">Implemented designs and client-side logic with integration of backend (APIs).	
Senior Consultant , 180 Degrees Consulting Georgia Tech	Jan 2021 – Present
<ul style="list-style-type: none">Redesigned an existing online member dashboard for the Junior League of Atlanta.	

PROJECTS

Voices of the Vaccine	Feb 2021
<ul style="list-style-type: none">Developed a neural network to perform sentiment analysis on 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).	
Draw Your Way	Oct 2020
<ul style="list-style-type: none">Developed a web and mobile app that uses intuitive visuals to simplify directions.Implemented drag-and-drop, import, and drawing features using Flutter and Dart.Won Best Overall (Emerging Track) in HackGT7 competition (1,800 participants).	

ACADEMIC RESEARCH

Research Assistant , Arizona State University	May 2019 – Aug 2020
<ul style="list-style-type: none">Co-authored a manuscript; published by <i>Polymer</i> 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.	