

# ALLISON KWAN

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## EDUCATION

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| <b>Georgia Institute of Technology</b> , Atlanta, GA      | Exp. Graduation: Dec 2023 |
| B.S., Computer Science                                    | GPA: 4.0                  |
| Threads: Information Internetworks, Modeling & Simulation |                           |

## SKILLS

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**Programming:** Java, Python, JavaScript, ReactJS, HTML/CSS  
**Software:** Microsoft Excel, MATLAB, LabVIEW, Autodesk Inventor  
**Coursework:** Object-Oriented Programming, Computing for Engineers

## CLUBS & ACTIVITIES

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| <b>Software Development Lead</b> , Tree-Plenish (Nonprofit)   | Jan 2021 – Present |
| <ul style="list-style-type: none"><li>• Creating a custom full user access portal for student volunteers to access private data.</li><li>• Developing a geographic map tool to display key success metrics from a database.</li></ul> |                    |
| <b>Data Visualization Developer</b> , Big Data Big Impact   | Jan 2021 – Present |
| <ul style="list-style-type: none"><li>• Using React Native to construct an application to display crop disease image data analyzed with computer vision techniques.</li></ul>   |                    |
| <b>Front-End Developer</b> , Coffee Chat (Local Startup)  | Jan 2021 – Present |
| <ul style="list-style-type: none"><li>• Implementing designs and client-side logic with integration of backend (APIs).</li></ul>  |                    |
| <b>Junior Consultant</b> , 180 Degrees Consulting Georgia Tech  | Jan 2021 – Present |
| <ul style="list-style-type: none"><li>• Redesigning existing online member dashboard for the Junior League of Atlanta.</li></ul>  |                    |

## PROJECTS

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| <b>Voices of the Vaccine</b>  | Feb 2021 |
| <ul style="list-style-type: none"><li>• Developed a neural network to perform sentiment analysis on tweets (90% accuracy).</li><li>• Created a data visualization tool to display results on an interactive geographic map.</li><li>• Won Best Overall project in Hacklytics competition (555 global participants).</li></ul> |          |
| <b>Draw Your Way</b>  | Oct 2020 |
| <ul style="list-style-type: none"><li>• Developed a web and mobile app that uses intuitive visuals to simplify directions.</li><li>• Implemented drag-and-drop, import, and drawing features using Flutter and Dart.</li><li>• Won Best Overall (Emerging Track) in HackGT7 competition (1,800 participants).</li></ul>       |          |
| <b>Cycle Sisters</b>  | Oct 2020 |
| <ul style="list-style-type: none"><li>• Created a website allowing users to log health information and view their data.</li><li>• Implemented data storage and login session features with PHP and mySQLi.</li></ul>  |          |

## ACADEMIC RESEARCH

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| <b>Research Assistant</b> , Arizona State University   | May 2019 – Aug 2020 |
| <ul style="list-style-type: none"><li>• Co-authored a manuscript; published by <i>Polymer</i> in January 2021.</li><li>• Used Excel to perform data analysis on extensive epoxy tensile testing data.</li><li>• Developed a data acquisition program on LabVIEW for a gas permeation unit.</li></ul> |                     |