

# Taylor Williamson

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LinkedIn Profile | Github Profile | Personal Portfolio

## EDUCATION

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### Texas A&M University

*Bachelor of Science in Computer Science, Minor in Business & Cyber Security*

College Station, TX

*Aug. 2016 – Dec 2020*

## EXPERIENCE

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### Freelance Web Developer

December 2019 – December 2020

*American Library Labels*

*Remote*

- Developed a more modern and usable front-end for their library labels store site
- Edited the information and layout of all of approximately 500 items they had in their store catalog in order to have a consistent look across the site
- Learned by trial and error, as there was little to no updated documentation about the ShopSite platform and how to use it efficiently.

### Student Desktop Technician

April 2018 – September 2018

*Texas A&M Engineering*

*College Station, TX*

- Monitor online ticketing system, communicate with the user, and update the status of support tickets
- Assess and troubleshoot computer problems brought by research students and professors
- Maintain upkeep of computers and install software

### Desktop Support Intern

May 2017 – August 2017

*American National Insurance*

*Galveston, TX*

- Monitor online ticket system in order to provide in site or remote support
- Performed various side projects related to asset management
- Gained experience with hardware and software troubleshooting and support

## PROJECTS

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### Safety Gear Detection System | *Android Studio, Java, DJI Drone API, MySQL, Git*

Fall 2019

- Developed an android application in collaboration with the Construction Sciences department at Texas A&M using Android Studio and Java
- Allows site managers to operate a drone via the app, which is capable of detecting safety violations using computer vision
- Utilized MySQL in order to log violations in order to be reviewed by the site manager
- The application implemented a "You Only Look Once" algorithm in conjunction with a neural network for object detection
- Collected a large amount of data in order to optimize our network for the detection of safety gear in a variety of situations

### Donation Manager | *Ruby on Rails, HTML, CSS/Bootstrap, Git, Heroku*

Fall 2019

- Developed a Heroku web app using the Ruby on Rails framework to act as a donation manager for the Brazos Valley Jazz Society
- Utilized the Agile design process to be able to work effectively as a team and deliver several iterations of the app in order for the client to give feedback
- Developed thorough documentation as part of our comprehensive report
- Prepared a final demonstration for clients, our professor, and other department members

## TECHNICAL SKILLS

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**Desktop App Development:** Java, C/C++, Python, JavaFX

**Web Development:** HTML, CSS, JavaScript, React.js, C#, .NET, Entity Framework, Ruby on Rails, WordPress, ShopSite

**General skills:** SQL, L<sup>A</sup>T<sub>E</sub>X, Matlab, Git, Docker, Hadoop

**Environments:** Eclipse, Visual Studio, VS Code, Windows, Ubuntu and ArchLinux