

# Taylor Williamson

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## 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

*American Library Labels*

December 2019 – July 2020

*Remote*

- Complete front-end renovation of the online marketplace using the ShopSite framework
- Taught myself how to use ShopSite with minimal and often outdated documentation
- Discovered how to maximize efficiency using ShopSite and composed documentation for training purposes

### Student Desktop Technician

*Texas A&M Engineering*

April 2018 – September 2018

*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

*American National Insurance*

May 2017 – August 2017

*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
- Application utilized 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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**Languages:** Java, C/C++, Python, HTML/CSS, JavaScript, Ruby, MatLab,  $\text{\LaTeX}$

**Frameworks:** Rails, WordPress, ShopSite, .NET, Bootstrap, Hadoop

**Developer Tools:** Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Libraries:** React.js