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# Tyler Lowrey

Email: [Contact@TylerLowrey.com](mailto:Contact@TylerLowrey.com)

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## Education

**Clemson University – Bachelor of Science, Computer Science**

Expected Graduation: August 2020

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## Skills & Certifications

- **Programming Languages: Java, JavaScript, C#, Rust**
  - Website Design (HTML5, CSS3)
  - Microsoft SQL Server, MySQL, PostgreSQL, SQLite
  - Libraries/Frameworks: ReactJS, Spring Boot, OpenCV
  - Algorithms & Data Structures
  - Object Oriented Programming
  - Certified Emergency Medical Technician
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## Work Experience

Information Technology Intern – Clemson University (Spring 2019, Fall 2019)

- Provided technical support for Clemson faculty located in the Watt Family Innovation Center and helped maintain technology throughout the building.

**Software Engineering Intern – Dish Network** (Summer 2019)

- **Developed extensions** to the existing **Warehouse Management System** using **C# for the backend** and **JavaScript** for the screens used by the warehouse operators. These extensions replaced the time-consuming manual evaluation of labor efficiency in the warehouse. My extensions made it possible to automatically collect labor data and store it in a **Microsoft SQL Server** database. Using this newly generated data I also **developed data visualizations using Tableau**. These visualizations continuously update and allow operations managers to effectively evaluate the efficiency of the warehouse.

Student IT Consultant – Clemson University (Summer 2017, May 2018 – May 2019)

- Provided basic technical support for Clemson faculty and students.
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## Extracurricular Activities

**FIRST Robotics Competition (FRC Team 283)**

- C++ Programmer (2014-2015 School year)
  - Team Captain & Lead Programmer (Summer 2015 – Summer 2016)
  - **Lead Controls and Programming Mentor (Fall 2016 - Present)**
    - Lead a group of 3 – 6 high school students and develop their **Java** skills
    - Review code written by students and ensure that they conform to our team's coding standards and best practices
    - Teach a wide range of skills including **computer vision, PID control, networking, and multithreading**
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## Projects

[github.com/TylerLowrey](https://github.com/TylerLowrey)

**FRC Scouting App**

- An **Android App** written in **Java** that allows FRC teams to record scouting data. The app allows team members to record data that is stored locally on an **SQLite database**. The data can then be uploaded (when a good wireless connection is available) to a remote server for further processing.

**Driver Rewards App**

- A web app for my senior design class that uses a **ReactJS** front-end and a **Spring Boot** backend that allows users (truck drivers) to purchase items from their Company. The company selects items from eBay that drivers can purchase by spending points earned for good driving.
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