Shane Woodruff

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Objective: To obtain an assignment starting Summer or Fall 2020 that allows meaningful contributions to a company's profitability while further utilizing my technical, problem solving, and leadership skills.

Education

Georgia Institute of Technology

- Graduation: May 2021
- Computer Science with Information/Internetworks & people concentration

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Skills/Website

- **Website:** www.shanewoodruff.com
- **Software:** Java, C, C++, Python, HTML, CSS, JavaScript, JSON
- **Architecture and Design**: Agile, Scrum, waterfall

Work/Experience

Spots (Startup) – Cofounder   *December 2019 - Current*

- An app that is creating a competitive market for the use of parking in residential and commercial areas not typically used for parking during large sporting events, concerts, and conventions to create affordable parking anywhere

Manhattan Associates Software Developer/Consultant   *April 2020 – July 2020*

- Backend Java developer for Manhattan Associates Warehouse management software division
- Interacted with clients to discuss software issues and solutions, while also working with developers to design and implement software needs for clients

Big Data and Quantum Mechanics Lab: Georgia Tech   *January 2020 – Current*

- Use Machine learning and data analytics to enable faster and more accurate calculations of chemical properties using quantum-mechanical techniques such as density functional theory (DFT). Implementation of algorithms for fusion of distinct exchange-correlation approximations; Uncertainty quantification and propagation for exchange-correlation approximations.

Space Trader Java - Project Leader   *September 2019 –December 2019*

- Semester Long project involving Java development in both front and back end applications. Developed UI as well as learning techniques to scale code to be more efficient, adaptable, and easy to change over time
- Organized team meetings, deadlines, and communication between teammates and the professor

Emona Instruments   *May 2018 – August 2018*

- FPGA Software development for educational technologies. Used Verilog and VHDL to develop software for signal applications and sensors

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Extracurriculars

Data Science Club   *Current*

- Discuss with professionals in industry about modern technologies involved in data science and analytics

Hometown Animal Rescue Inc. Volunteer   *Current*

- Work with animals and Veterinarian clinics to provide affordable pet care to low income areas around Georgia

Rockdale Coalition for Children and Families   *Current*

- Work with families and individuals living in poverty to help provide necessary and basic needs to live a healthy lifestyle. Help sign people up for insurance, EBT, and other services provided to those in need