Shane Woodruff

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Objective: To obtain an assignment starting Summer or Fall 2021 that allows meaningful contributions to a company's profitability while further utilizing my technical, problem solving, and leadership skills.

Education

Georgia Institute of Technology B.S. Computer Science   GPA: 3.5
- Graduation: May 2022
- Software/Tools: Java, C, Python, HTML, CSS, SQL, JavaScript, Groovy, Docker, RESTful

Work/Experience

Manhattan Associates Software Engineering Intern   *January 2021 – April 2021*
- Simulating customer checkouts using groovy scripting, Java, and elastic. Built and designed features for testing customer engagement for the Manhattan Associates retail order management system.

Business Model/Strategy Intern: Revolutionary Integration Group Inc   *August 2020 – December 2020*
- Identified Enterprise, IoT, and MDM systems on which Dynamic Trust may be offered and defined any of the ancillary elements needed. Worked with technical teams to formulate goals and strategies to meet client demands while also building a rollout strategy and sales model.

Georgia Tech Teaching Assistant: Objects and Design (CS 2340)   *August 2020 - Present*
- Hold office hours dedicated to one-on-one student help to strengthen knowledge in course materials and topics. Help guide students through course long group project that involves first aspects of working as a software engineer. Deliver lectures to more than 150+ students on a weekly basis.

Emona Instruments   *May 2018 – June 2018*
- FPGA Software development for educational technologies. Used Verilog and VHDL to develop software for signal applications and sensors. Specifically tested the hardware using formal equivalence checking to ensure no bugs and design flaws were present in final products.

Research/Projects

Big Data and Quantum Mechanics Lab: Georgia Tech   *January 2020 – Present*
- Work in the AmpTorch Hyperparameter optimization team. Our team is currently integrating the Ray-tune library to scale the size of the neural networks data sets and take advantage of parallelization within the pace-ice supercomputer.

Burdell's List: Android Studio App Development
- Convergence Innovation Competition Finalist
- An app that allows Georgia Tech students to buy goods and services from each other. The application was developed in Android studio and Java and takes advantage of many of the cloud features that are offered on google Firebase.

Personal Website: www.shanewoodruff.com
- Designed personal website using HTML, CSS, and java script

Multiprocessor operating system: Process scheduling
- Designed and implemented a multi-threaded operating system using threading library for Linux called pthreads. Specifically designed the CPU scheduler using the scheduling algorithms FIFO, Round robin, and SRTF

Extracurriculars/Community

Hometown Animal Rescue Inc. Volunteer   *March 2018 – present*