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 BSMS Computer Science

- Graduation: December 2021
- BS/MS five-year program

Skills/Website

- **Website:** www.shanewoodruff.com
- **Software:** Java, C, C++, Python, HTML, CSS, JavaScript, JSON, SQL, Android Studios, Firebase

Work/Experience

AI Product Management Intern: Revolutionary Integration Group Inc.   *August 2020 – Present*

- Worked closely with technical teams to formulate business strategies and product deliverable plans to introduce and build a SaaS model for the banking and financial industries looking to verify applications with dynamic trust by using a distributed heterogeneous multi-agent computing grid
- Used sales models to define a business strategy for product release. Performed market characterization for commercial and federal sectors, determined a price point for each of the markets for Dynamic Trust, researched and defined the competitive landscape of the markets, and performed market research on "trust" solutions across the banking and financial industry

Android Studio App Development Project: Burdell's List   *August 2020 – October 2020*

- App that allows Georgia Tech students to buy and sell goods and services to other students
- Completed full stack development of the app including: Building a backend server using Heroku, built a backend database in Firebase to store users and store items, implemented a payment system with the Stripe API, used the Google Maps API for locating users and products, designed app UI, used Duo Security two factor authentication to verify students, and designed a REST API for our app to interact with

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
- 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

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

- Work in the amptorch hyperparameter optimization group which uses the hyperparameter optimization library "Hyperopt" that relies on a tree structured Parzen Estimator approach (Bayesian Optimization).
- Our team focuses on improving training accuracy by developing a pipeline to tune the hyperparameters of descriptor generation and neural network creation/training

Emona Instruments   *May 2018 – June 2018*

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

Extracurriculars/Community

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

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

Georgia Institute of Technology Men's Club Soccer   *January 2020 – present*

- Play soccer for the GT men's club soccer team