Amanda Wang

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Objective

Seeking an internship in software development starting May 2022. Experienced in object-oriented programming as well as effective coding practices. Versed in written and oral communication from experience as a head teaching assistant.

Education

Georgia Institute of Technology | Atlanta, GA   *Fall 2019 – Present*
Bachelor of Science in Electrical Engineering, GPA 3.51   Expected Graduation, May 2024
Minor in Computing and Intelligence
A. James Clark Scholar

Georgia Tech Lorraine | Metz, France   *January 2021 – May 2021*
Transfer with 12 Credit Hours, GPA 3.75

Skills

Programming: Java, Python, C++, MATLAB
Hardware: ARM mbed microcontroller, FPGAs, oscilloscope, logic analyzer
Software: AutoCAD, Altera Quartus II, NI LabVIEW, GitHub
Professional Organizations: Georgia Tech Women in ECE
Communication: Technical reports, instruction manuals, presentations (large and small audiences)
Languages: English (native), German (beginner), Japanese (beginner), Chinese (beginner)

Experience

Georgia Tech College of Computing | Atlanta, GA   *August 2020 – Present*
Undergraduate Teaching Assistant (UTA)
Head teaching assistant for CS1331 (Intro to Object-Oriented Programming)
- Develop and publish course resources for both students and UTAs to further improve the instruction mode
- Train, coordinate, and lead UTA team of 8 to create homework assignments and hold regular recitations
- Hold weekly office hours, grade assignments, and answer questions for a course of 200+ students in a remote setting

Clark Construction | Bethesda, MD   *May 2021 – August 2021*
Summer Associate / Preconstruction and Estimating
- Interpreted construction drawings and calculated estimates required for 4 separate preconstruction pursuits
- Contacted subcontractors via phone and email, generating subcontractor interest and increasing response rate

Projects

Concrete Canoe Competition   *Fall 2019 – Spring 2020*
Team Member
The Concrete Canoe Team is a subset of Georgia Tech's American Society of Civil Engineers (ASCE) club. The team met weekly to develop a working canoe to compete in the regional ASCE conference against other universities.
- Contributed ideas in the design phase of the canoe, ensuring that our design conformed to ASCE specifications
- Mixed, packed, and tested concrete cylinders to determine the optimal mixture for concrete

Relevant Coursework

Data Structures and Algorithms: Time complexity analysis, data structures, debugging using JUnits, sorting algorithms, pattern matching, graphs and relevant algorithms
Fundamentals of Digital System Design: Used design tools to build, evaluate, and compare implementation approaches; boolean algebra, logic gates, transistors, K-maps, mixed logic design, combinational logic, state machines, datapath elements

Activities

Georgia Tech China Care | Atlanta, GA   *August 2019 – May 2020*
Member / Fundraising Team
- Baked goods on a biweekly basis to raise funds for vulnerable and at-risk children in China
- Volunteered in local events, such as planting trees and registering runners