Amanda Lewis

Experienced software engineer, fluent in Java, Python, and skilled in agile methodology looking to transition into full-time work as a backend or full-stack engineer.

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EXPERIENCE

St. Edward's University, Austin, TX — *Technical Advisor for Software Engineering course*
JANUARY 2020 – MAY 2020
Advise students in advanced Software Engineering courses to complete their semester long project, while they work in teams of four to six. Meet weekly with seven to eight teams and address topics on an agenda they prepare beforehand about agenda items such as: UCD, REST, and design and requirements for the system.

St. Edward's University, Austin, TX — *Computer Science Teaching Assistant*
JANUARY 2018 - MAY 2020
Assist students in introductory programming classes in Python and Java during weekly labs where they learn about the fundamentals of languages and OO-Programming and facilitate night sessions for extra help in these classes.

St. Edward's University, Austin, TX — *Math Tutor*
AUGUST 2017 - MAY 2020
Assist students from basic Mathematics to Advanced Calculus with their homework problems and general study, while maintaining a quiet environment.

Modernize, Austin, TX — *Software Engineering Intern*
MAY 2019 - AUGUST 2019
Worked on an agile scrum team of 10, received tickets and completed them by the end of each sprint. Problem-solved when necessary and designed innovative solutions that were client-focused for problems.

EDUCATION

St. Edward's University, Austin, TX — *BS in Computer Science*
Grad. MAY 2020
Minor in Mathematics with a GPA of 3.76

SKILLS

- Able to implement applications using standard frameworks and coding standards
- Adapt to challenges and obstacles while delivering incrementally using agile methodologies such as Scrum and Kanban
- Effectively communicate current priorities and issues to managers
- Ability to problem-solve quickly and come up with effective solutions
- Easily connect with customers, coworkers, and teammates

AWARDS

- Outstanding Computer Science Graduate – BS Program for 2019-2020 School Year – April 2020
- Outstanding Student in First-Year Computer Science Courses - April 2018
- Outstanding Student in Language Arts (Spanish) - April 2017
- Dean's List from Fall 2016 - Fall 2019

PROGRAMMING LANGUAGES

- **Java** (Expert)
- **Python** (Advanced)
- **Javascript + Frameworks** (Advanced)
- **SQL** (Proficient)

PROJECTS

Senior Project — Host, Post, and Compost
AUGUST 2019 – FEBRUARY 2020
- Purpose was to connect people who compost with people who do not have the resources to compost (people in apartments)
- Built a listener in Node.js/Express.js using a MongoDB database
- Maintained extensive documentation for my listener to stay on the same page as my team

Software Engineering II Course Project – We-IoT (IoT-based Project)
AUGUST 2019 - DECEMBER 2019
- Worked on an agile scrum team of six on a semester-long project focused on Internet of Things (IoT) and Digital Transformation (DX)
- Built a Gateway component in charge of receiving data from our simulated IoT devices and passing it on to our Command in Control (CiC)
- Led the team when one member stopped contributing and became increasingly difficult to work with, while continuing to work with this individual throughout the semester and working to diffuse the situation as much as possible
- Assisted with the CiC to pick up slack in the team due to this member not contributing

Java Vehicle Simulator — Multithreading Project
AUGUST 2019
- Enhanced the Python Vehicle Simulator I built in Software Engineering I by redoing it in Java to further my understanding of multithreading and multiprocessing in multiple languages

Software Engineering I Course Project – We-Go (TaaS-based Project)
JANUARY 2019 - MAY 2019
- Worked on an agile scrum team of six on a semester-long project focused on Transportation as a Service
- Built a vehicle simulator in Python that utilized multithreading to simulate multiple vehicles traversing routes and reporting in to the listener for our web application