Samek Mulepati

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EDUCATION

B.S. Computer Science	**A.A. Associate in Arts Transfer**
University of Washington – Seattle, WA	Shoreline Community College – Shoreline, WA
Expected Graduation: June 2022	Graduated: June 2019
GPA: 3.73	GPA: 3.96

PROJECTS

UW Campus Map (**CSE 331: Java | React) |** May 2020
- Created a web UI that displays the shortest path between two different locations on the University of Washington campus.
- Implemented a Graph ADT from scratch to represent locations and paths on the campus map
- Used React and TypeScript for the front-end web UI, while utilizing Java and Spark Java for the back-end development

Tabby the Tab Manager (Hack'20: JavaScript) | August 2020
- Worked with a group of 4 participants to create a tab manager under a 24-hour time constraint.
- Used JavaScript, HTML, and CSS for the front-end web UI, making use of the chrome extension API and annyang.js library for most components.

Twitter Parts of Speech Tagger (CSE 473: Python) | May 2020
- Utilized Forward Algorithm and Viterbi Algorithm to output a HMM which is able to find the syntactic purpose of words in a given sentence
- Created a HMM on a training set of 729,775 correctly tagged tweets, resulting in an output POS Tagger with an accuracy of 88% on a test set of 70,000 tweets

WORK EXPERIENCE

Research Assistant | University of Washington | August 2020 – September 2020
- Proofed data for quality to train an NLP model.
- Annotated over a 1000 Question-Answer pairs, filtering out noisy or incorrect examples while fixing minor errors.

CSE Tutor | CS Learning Center @ Shoreline Community College | January 2019 – June 2019
- Helped with the establishment of the CS learning center at Shoreline Community College
- Provided 8 hours per week of drop-in tutoring services for classes such as CS 121 (Introduction to Programming), CS 141 (Computer Science I – Java), and CS 143 (Computer Science II – Java Data Structures)
- Organized dedicated review sessions for midterms and finals for CS 141, and CS 143
- Provided one on one session for classes such as MATH 141 – 142 (Pre-Calculus), MATH 151 -163 (Calculus 1-3)

Customer Service Representative | Brown Bear Car Wash | August 2019 – September 2019
- Handled customer complaints during major and minor incidents
- Provided specific information about the services available with a friendly and helpful demeanor
- Worked with a group of 4 to handle all operations while working with an average of 70 cars per hour

TECHNICAL SKILLS
- **Programming Languages:** Java, C/C++, Python, SQL/NoSQL, Bash
- **Web Development:** HTML, CSS, JavaScript/TypeScript, React, Spark Java
- **Development Tools:** Git, Junit, IntelliJ, VS Code