HARSHITHA AKKARAJU

<Software Engineer/>

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EDUCATION

University of Washington, Seattle

Bachelors of Science in Informatics
Graduating June 2019
3.60 / 4.00 GPA

EXPERIENCE

Software Engineer | The MeLab

October 2018 - Present

- Developing an Amazon Alexa Skill for momentary data collection.

Research Assistant | Code and Cognition Lab

June 2018 - Present

- Designed and developed research prototypes using React Js.
- Contributed to research study conducted in an Intro to Game Design course.
- Performed qualitative and quantitative data analysis.
- Co-authored a paper submission to the SIGCSE conference.

Data Analyst + Software Engineer | TCAT Lab

April 2017 - June 2018

- Statistical and data analysis of SDOT data in Python.

OUTREACH

- Outreach Program Director for UW Society of Women Engineers
- Director of Diversity for Women in Informatics
- VP of Marketing for Ascend UW

PROJECTS

Koconut *Design + Development*

React, Flow, Material-UI, Firebase

Designed and implemented part of a web tutor that uses Bayesian Knowledge Tracing to help novices learn introductory programming concepts.

Ohana *Interaction Design + Development*

React, Node, AWS Lambda, Alexa Skill Kit, Firebase

Built a dynamic chore manager and an Alexa Skill to be used in combination with it.

Tic Tac Toe *Development*

Vue.js

Built an AI based tic tac toe that implements the minimax algorithm to play against the user. Developed the front-end in Vue.js.

Mesh *Development*

Python

Implemented the Naive Bayes Classifer, a machine learning technique to classify spam messages.

SKILLS

Languages

JavaScript, Java, Python, R, Swift

Tools

Git, VSCode, WebStorm, Eclipse, PyCharm, XCode

Processes

Agile, Design Thinking, Research, Independent learning, Mentoring