

# ABDUL SHALTU

## SOFTWARE ENGINEER

### CONTACT

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ashaltu.com

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### EDUCATION

**B.Sc. Computer Science**

University of Washington

2019 - 2021

**A.Sc. Mathematics**

Bellevue College

2017 - 2019

### TECHNICAL SKILLS

- Azure
- Python
- Java
- TypeScript
- HTML5/CSS
- Unity3D
- React.js

### STRENGTHS

- Problem Solver
- Passionate
- Self-motivated
- Eagerness to learn
- Customer obsessed

### AWARDS

- Google Scholar
- WSOS Scholar
- Costco Scholar
- UW Diversity Scholar
- Paul G. Allen Scholar

### WORK EXPERIENCE

#### Software Engineering Intern - Google | Jun 2020 - Sept 2020

- Summer Internship at Google in 2020
- Worked within Google AI

#### Undergrad Researcher - UW Allen School | Jun 2020 - Present

- Researched areas of machine translation of low resource languages
- Data scraped websites in Python to build a parallel corpus of sentence pairs from English to Oromo and Oromo to English
- Cleaned data and sentence pairs to train machine learning model

#### Hackathon Finalist - DubHacks | Oct 2019

- Built app which allowed natural translation conversations
- Selected as a finalist for "Best use of Google Cloud"
- Utilized Google Cloud API's in Python (speech-to-text, translation, text-to-speech) to listen for conversations as input and play translated audio through headphones

#### Data Scientist Intern - Microsoft | Jun 2019 - Sept 2019

- Worked on the Data and AI Team to build and test Frequency, Markov Chain, and Recurrent Neural Network (LSTM) models for code completion in Python
- Engineered automation of development builds by using Azure ARM templates, PowerShell scripts, and Azure Pipelines

#### AI Researcher - Bellevue College | Nov 2018 - Jun 2019

- Researched areas of Reinforcement Learning in real-time environments
- Coded models In Python using TensorFlow and Keras to train a Sphero robot to navigate augmenting mazes
- Funded by the National Science Foundation
- Presented at the 22nd Annual Undergraduate Research Symposium at the University of Washington

#### Software Engineering Intern - Microsoft | Jun 2018 - Sept 2018

- Developed new features and fixed features on Arcade, micro:bit, Circuit Playground Express (AdaFruit)
- Redesigned and implemented features/web pages dynamically in TypeScript, JavaScript, React.js, Less.js, HTML5, CSS
- Hosted 3 workshops influencing hundreds of students to pursue Computer Science with micro:bit and Adafruit

### PROJECTS

- Personal website (ashaltu.com) | Jan 2019 - Feb 2019
- OpenAI Gym environments (Python) | Dec 2018 - Jun 2019
- Goal Getter Game (Java, Genetic Algorithm) | Nov 2018
- Library checkout system (Java) | Oct 2017 - Mar 2018