

Ayaz Latif

I am a Graduate Student studying Computer Science focusing on Data Science looking for a software engineering internship. Interested in working in areas related to database management, systems, security, machine learning, and android development.

KEY HIGHLIGHTS

Promoted to Teaching Assistant Coordinator for Computer Science at University of Washington

Pursuing a Combined BS/MS Degree in Computer Science with a focus on Data Science at the University of Washington - Seattle

Leveraging machine learning and computer vision to develop an application as part of research program at UW to help early identification of Jaundice

COMPUTER SCIENCE PROJECTS AT UW

Biliscreen Android Application — Spring 2018

Selected to be part of a research team to utilize machine learning and computer vision to build an application that scans human eyes to identify the level of bilirubin to assist in the early identification of pancreatic cancer and Jaundice. Developed algorithms to classify the eye using machine learning and computer vision. Currently developing this app for the Ubiquitous Computing Lab at UW as part of a research program.

SimpleDb (Database Management System) — Winter 2018

Built a robust Database Management System that can recover from crashes, process several transactions concurrently, and manage several database files. SimpleDb has 4 main components I built, a storage manager, query processor, shared utilities manager, and a log manager for recovery. Developed over the course of 10 weeks in a Database Internals course.

Campus Paths Android Application — Summer 2017

Built modular software that can be easily expanded on. The inspiration was to follow a model view and controller design in the application. Implemented Dijkstra's algorithm so that the app finds the shortest path between two building around UW Campus. Developed over the course of 9 weeks in a Software Design & Implementation course at UW.

WORK EXPERIENCE

University of Washington, Seattle WA

TA Coordinator

MARCH 2017 - TO DATE

Interviewing and selecting new TAs, organizing weekly training sessions for new TAs, running weekly TA Community meetings, supervise and mentor 75+ TAs, administer TA evaluations, work closely with staff to handle administrative details

CSE Intro Series TA

MARCH 2015 - AUGUST 2017

Lead class of 25 students, assisted students with homework assignments, graded exams and assignments, proctored exams, attended weekly community planning meetings.

Knodemy, Livermore CA

Intern

AUGUST 2015

Developed tools to facilitate Java learning in classes. Ran Hackathon event for 25 high school students. Taught Java online to other students.

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LEADERSHIP POSITIONS

TA Coordinator

UW Dawg Daze Team
Captain

BSA - Eagle Scout

EDUCATION

University of Washington

MS in Computer Science
(to be complete DEC 2019)

BS in Computer Science -
Data Science Option
(to be complete DEC 2018)

SKILLS

Java

Python

Javascript

C, C++

SQL

JSON

Cloud Services (Azure,
AWS, Google Compute
Engine)

COURSES

Software Design &
Implementation

Database Internals

Intro to Data Management

Machine Learning

Data Visualization

Foundations of Computing

Systems Programming

Data Structures &
Parallelism

Web Programming