

Doruk Arisoy

darisoy.github.io | github.com/darisoy | linkedin.com/in/darisoy

Master's student at the University of Washington, aspiring to be a software engineer delivering enterprise-scale software. Experience in software development, embedded system design and computer networking in global cross-functional teams. Ambitious, organized, entrepreneurial, creative problem solver, and a hardworking team player.

CORE COMPETENCIES

Java, C/C++, Python
Algorithms
Data Structures

JavaScript, HTML 5, CSS
Database Internals
Computer Vision

Cloud computing
Data Center Operations
Linux, Mac OS, Windows

SELECTED ACHIEVEMENTS

- Implemented a Java Application that interacted with an Azure SQL Database for booking flight data
- Built an SQL Database from scratch with transactions to maintain ACID principles using Java
- Created the software architecture for an autonomous fruit picking robot arm
- Designed Cisco emergency communications kits used over 30 disasters around the world
- Certified in Cisco Routing and Switching (CCNP) & Security (CCNA)
- Deployed, configured and managed 24 backbone routers in Danaher Corporation data centers

PROFESSIONAL EXPERIENCE

Teaching Assistant (CSE 371), University of Washington, *Seattle, WA* Mar-Jun 2020



- Held 6 office hours a week to help students with questions and problems
- Graded homework assignments, quizzes, lab demos and reports
- Managed and coordinated lab demo scheduling with other TAs and students

Software Engineering Intern, Cisco, *San Jose, CA* Jun-Sep 2019



- Designed an AngularJS user interface for a new feature in Cisco's operating system
- Created scripts to automatically create user configurations from frontend to backend
- Troubleshoot router OS application process auto-start issues

Network Engineer Intern, Cisco, *Durham, NC* Jun-Sep 2018



- Developed web applications that communicate with Cisco routers used in emergencies
- Presented product feature and capabilities to customers
- Deployed Cisco Meraki technology to locations requiring emergency communications

Network Engineer Intern, Danaher Corporation, *Seattle, WA* Jun-Sep 2017



- Deployed, configured, managed routers in global data centers
- Established VPN connection between remote offices and data centers

Network Engineer Intern, Danaher Corporation, *Everett, WA* Jun-Sep 2016



- Configured and managed network management systems
- Created online documentation for network topology and configuration

EDUCATION

University of Washington, Master's in Electrical Engineering, *Seattle, WA* Mar 2020-Jun 2021

GPA: 3.XX

Focus: Machine Learning

TA: Computer Science

University of Washington, Bachelor's in Electrical Engineering, *Seattle, WA* Sep 2016-Mar 2020

GPA: 3.75

Concentration: Embedded Systems

Minor: Mathematics