Doruk Arisoy

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Master's student focusing on machine learning at the University of Washington, aspiring to be a software engineer in the AI/ML field delivering enterprise-scale software. Experienced in software development in global cross-functional teams. Ambitious, organized, entrepreneurial, creative problem solver, and a hardworking team player.

CORE COMPETENCIES

Java, C/C++, Python	JavaScript, HTML 5, CSS	Linux, Mac OS, Windows
Machine Learning, PyTorch	Computer Vision	Database Internals, SQL

PROFESSIONAL EXPERIENCE

Software Engineering Intern Google *Bellevue, WA*   Jun-Sep 2020
- Designed a personalized suggestions UI feature using JavaScript for contacts.google.com
- Worked with engineers and PMs to integrate the feature with the existing interface
- Created unit tests and a physical test plan before launching to over 8 million active users
- Collected metrics including the feature being used over 5 million times a day

Teaching Assistant Paul G. Allen School of Computer Science *Seattle, WA*   Mar-Jun 2020
- Held 6 office hours a week to help students with questions and problems
- Automated the demo scheduling process through Google Apps Scripts
- Graded homework assignments, quizzes, lab demos and reports

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
- Troubleshot router OS application process's 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 and managed 24 backbone routers in global data centers
- Established VPN connection between remote offices and data centers

SELECTED PROJECTS

C++ Neural Network Library, with forward and backward propagation along with activation functions
Panorama, C++ project that detects corners, stitches images using homography, applies different projections
SQL Database, built from scratch with transactions to maintain ACID principles using Java
Flight Booking Application, connected to Azure SQL Database to book and search flight data using Java
Autonomous Fruit Picking Arm, that can detect strawberries with a camera and pick them using Python
Emergency Communications Kits, designed with Cisco devices used over 30 disasters around the world

EDUCATION

University of Washington Master's in Electrical Engineering *Seattle, WA*   Mar 2020-Jun 2021
> **GPA:** 3.96   **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