

Mert Dusunceli

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Education

University of California, Los Angeles

December 2019

B.S. IN COMPUTER SCIENCE

GPA: 3.45

Relevant Coursework: Algorithms and Data Structures, Object Oriented Programming, Artificial Intelligence, Human Computer Interaction

Work Experience

Appfolio

San Diego, CA

SOFTWARE ENGINEER

February 2020 - Present

- Created a website where users can upload image links and observe said images in their dashboards
- Built an image filtering system using multiple tags for efficient search of uploaded images
- Partnered with rest of my team to design and implement an all-in-one solution to alleviate pain points for our customers

Medtronic

Boulder, CO

SOFTWARE ENGINEERING INTERN

June 2019 - August 2019

- Built a C# app that queries PostgreSQL database and generates JSON files to dynamically populate content on an easy-to-use website
- Launched search functionality, analysis graphs, and automated database updates on website that reorganizes 1600 complaints
- Reduced time spent by development and quality teams to search for a complaint and its solution by 50%, increasing their efficiency

Digital Planet

Istanbul, Turkey

SOFTWARE ENGINEERING INTERN

July 2017 - September 2017

- Designed and maintained a SQL database with about 20 tables using queries, procedures, and functions in Microsoft SQL Server
- Built an ASP.NET web application interface to interact with existing database using CRUD operations in Microsoft Entity Framework
- Amplified customer satisfaction by implementing recovery processes such as bringing back deleted data from an archive

Projects and Competitions

No Waste Text

Python, Flask

GOOGLE HONORABLE MENTION (RANKED TOP 5 IN 74 PROJECTS) IN LA HACKS 2018

- Developed a Flask application for businesses and customers to advertise and learn about flash sales with the goal of reducing waste
- Utilized Twilio API to communicate between different parties via text messages, which were parsed using Python and stored in Firebase

Succulent Love

Swift, Sketch

- Created an iOS application that classifies different types succulents using Apple's Vision Framework to construct a Core ML model which was trained with approximately 7500 photos

MacroBros

Javascript, HTML, CSS, Sketch

GROUP PROJECT VOTED #1 IN 20 PROJECTS

- Built a web/mobile app that allows users to input or choose from recommended macronutrient distributions and ingredients
- Users are then presented with a curated list of step by step recipes that are aligned with their preferences

Application Server Herd

Python

- Implemented a single-threaded asynchronous application that is optimized for performance by Python's asyncio library
- Eliminated need for main server during inter-server communication using flooding algorithm that propagates updates to rest of servers

BruinNav

C++

- Designed a navigation system for West LA area that is powered by coordinates and attractions gathered from an open-source map
- Used priority queues and binary search trees to provide turn-by-turn directions from start to end points in vector format

Technical Skills

Languages	Python, C#, JavaScript, HTML, CSS, C/C++, Swift
Frameworks	Agile, .NET, JQuery, Bootstrap, Django, Flask
Databases	MySQL, PostgreSQL, MS SQL Server
Version Control	Git, Perforce, Polarion